#### SLO - Senior Project CM Student Learning Outcomes

#### Description

Seniors in the CM 4202 Construction Enterprise course complete a construction project that directly measures seven Program SLOs requiring the students to "create" or to "apply" the learned outcome.

- Acceptable Target: Scores equal to or higher than 70 points on related SLO
- Ideal Target: 80 points or higher
- Implementation Plan (timeline): Data gathered each semester; analyzed each academic year
- Key/Responsible Personnel: Instructor of record for CM 4202 Construction Enterprise.

#### Direct assessment for:

SLO(1) Oral Presentation - Create written communications appropriate to the construction discipline.

SLO(2) Writing Skills - Create written communications appropriate to the construction discipline

SLO(3) Project Safety Plan - Create a construction project safety plan

SLO(4) Estimate - Create construction project cost estimates SLO(5) Project Schedule - Create construction project schedules SLO(9) Multidisciplinary Team - Apply construction management skills as a member of a multi-disciplinary team

SLO(10) Applying Technology - Apply electronic-based technology to manage the construction process

#### Linked Objects



BSCM Program Objective 4.0 - Establish a techno- stu... CM Student Learning Outcomes



BSCM - SLO 1 Create written communications approp... CM Student Learning Outcomes





BSCM - SLO 2 Create oral presentations appropriate t... **CM Student Learning Outcomes** 





BSCM - SLO 4 Create construction project cost estima... CM Student Learning Outcomes



BSCM - SLO 5 Create construction project schedules CM Student Learning Outcomes



BSCM - SLO 9 Apply construction management skills ... CM Student Learning Outcomes



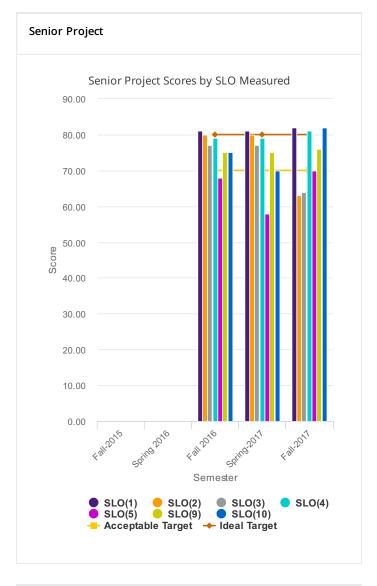


BSCM - SLO 10 Apply electronic-based technology to m CM Student Learning Outcomes



**Assessment for BSCM** 

CM Student Learning Outcomes





Period	-	Status	SLO(1)	SLO(2)	SLO(3)	SLO(4)	SLO(5)	SLO(
Fall-2015	-	Not Defined						
Spring 2016	-	Not Defined						
Fall 2016		Caution	81.00	80.00	77.00	79.00	68.00	
Spring-2017		Caution	81.00	80.00	77.00	79.00	58.00	
Fall-2017		Caution	82.00	63.00	64.00	81.00	70.00	
Spring-2018	_	Not Defined						
Fall-2018	-	Not Defined						
Spring-2019	-	Not Defined						

Attachments			
Data Source			

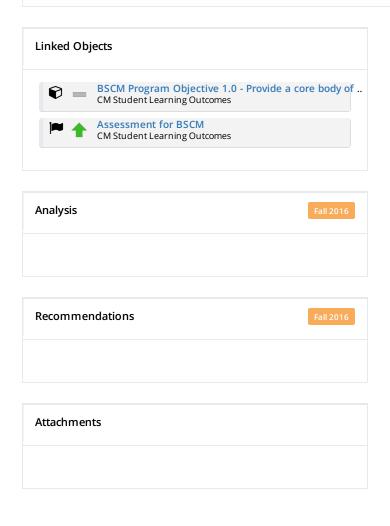
CM 4202 Construction Enterprise - Senior Project

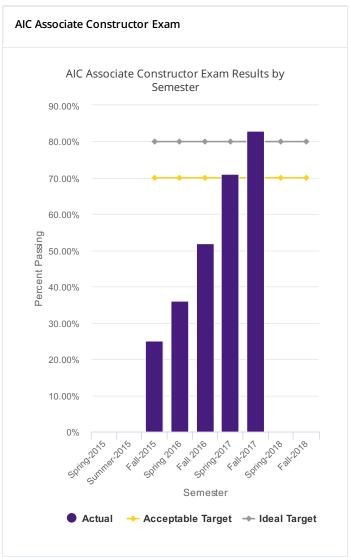
# Program - AIC Associate Constructor Exam CM Student Learning Outcomes

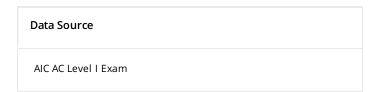
#### Description

The American Institute of Constructor's (AIC) Associate Construction (AC) Level One exam provides a national comparison to other construction management institutions within the US. AIC assesses 20 SLOs and these are the same program SLOs adopted by the BSCM degree program.

- Acceptable Target: 65% passing. Note: national average is around 65% passing.
- Ideal Target: 75% passing
- Implementation Plan (timeline): Data compiled each academic semester. Analyzed annually.
- **Key/Responsible Personnel:** Instructor of record for CM 4202 Construction Enterprise.







Period	<b>—</b>	Status	Actual	Acceptable Target	Ideal Target
Fall-2015	+	Below Plan	25.00%	70.00%	80.00%
Spring 2016	+	Below Plan	36.00%	70.00%	80.00%
Fall 2016		Caution	52.00%	70.00%	80.00%
Spring-2017	1	At or Above Plan	71.00%	70.00%	80.00%
Fall-2017	1	At or Above Plan	83.00%	70.00%	80.00%
Spring-2018		No Information		70.00%	80.00%
Fall-2018		No Information		70.00%	80.00%
Spring-2019		No Information		70.00%	80.00%

## SLO AIC AC Level I exam CM Student Learning Outcomes

#### Description

The American Institute of Constructor's Associate Construction (AC) Level One exam provides a national comparison to other construction management institutions within the US. AIC assesses 20 SLOs and these are the same program SLOs adopted by the BSCM degree program.

- Acceptable Target: 70% of the student anwsering the questions correctly
- Ideal Target: 80% of the students answering the questions correctly
- Implementation Plan (timeline): Data gathered each semester; analyzed each academic year
- Key/Responsible Personnel: Instructor of record for CM 4202 Construction Enterprise.

#### Direct Assessment:

SLO(6) Analyze professional decision based on ethical principles.

SLO(7) Analyze construction documents for planning and management of construction processes

SLO(8) Analyze methods, materials, and equipment used to construct projects

SLO(12) Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process

SLO(13) Understand construction risk management

SLO(14) Understand construction accounting and cost control SLO(15) Understand construction quality assurance and

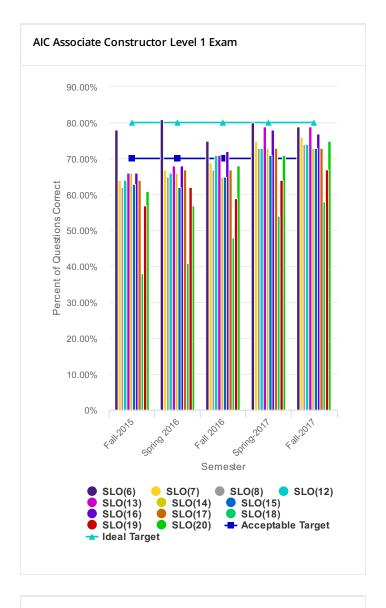
SLO(15) Understand construction quality assurance and control

SLO(16) Understand construction project control processes SLO(17) Understand the legal implications of contract, common, and regulatory law to manage a construction project.

SLO(18) Understand the basic principles of sustainable construction

SLO(19) Understand the basic principles of structural behavior

SLO(20) Understand the basic principles of mechanical, electrical and piping systems.





AIC AC Level One Exam

# **Linked Objects** BSCM - SLO 6 Analyze professional decisions based o... CM Student Learning Outcomes BSCM - SLO 7 Analyze construction documents for pla.. CM Student Learning Outcomes BSCM - SLO 8 Analyze methods, materials, and equip... CM Student Learning Outcomes BSCM - SLO 12 Understand different methods of proje. CM Student Learning Outcomes BSCM - SLO 13 Understand construction risk managem CM Student Learning Outcomes BSCM - SLO 14 Understand construction accounting a... CM Student Learning Outcomes BSCM - SLO 15 Understand construction quality assur... CM Student Learning Outcomes BSCM - SLO 16 Understand construction project contr... **CM Student Learning Outcomes** BSCM - SLO 17 Understand the legal implications of c... CM Student Learning Outcomes BSCM - SLO 18 Understand the basic principles of sus... CM Student Learning Outcomes BSCM - SLO 19 Understand the basic principles of stru... CM Student Learning Outcomes BSCM - SLO 20 Understand the basic principles of me... CM Student Learning Outcomes **Analysis** Recommendations **Attachments**

Series	Fall 2016
SLO(6)	75.00%
SLO(7)	69.00%
SLO(8)	67.00%
SLO(12)	71.00%
SLO(13)	71.00%
SLO(14)	65.00%
SLO(15)	65.00%
SLO(16)	72.00%
SLO(17)	67.00%
SLO(18)	48.00%
SLO(19)	59.00%
SLO(20)	68.00%
Acceptable Target	70.00%
Ideal Target	80.00%

## Louisiana State University (LA003)

## Level 1 Examination - Construction Fundamentals - November 2017

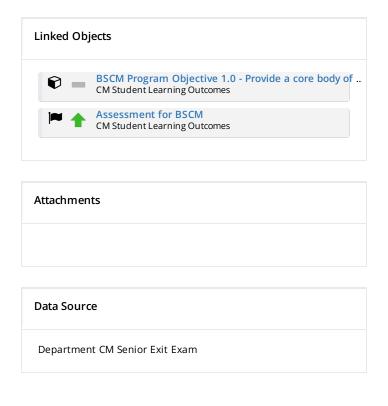
	Your School Candidates	National Candidates	
Number of Candidates Tested:	65	743	
Number of Candidates Passed:	54	505	Your School Av National Av
Number of Candidates Failed:	11	238	
ning Outcomes Score Summaries			
			Average Score Percentage Comparison
	School Average	National Average	0% 25% 50% 75% 100%
21 Create written communications	78%	74%	78% 74%
2 Create oral presentations	75%	73%	75% 73%
3 Create a construction project safety plan	73%	72%	73% 72%
4 Create construction project cost estimates	74%	72%	74% 72%
95 Create construction project schedules	78%	75%	78% 75%
Analyze decisions based on ethical principles	79%	80%	79% 80%
7 Analyze construction documents for planning	76%	74%	76% 74%
8 Analyze methods, materials, and equipment	74%	72%	74% 72%
9 Apply construction management skills as team member	78%	76%	78% 76%
.0 Apply electronic-based technology to manage process	75%	72%	75% 72%
.1 Apply basic surveying technology for layout	75%	74%	75% 74%
.2 Understand different project delivery methods	74%	72%	74% 72%
.3 Understand Construction risk management	79%	76%	79% 76%
4 Understand construction accounting & cost control	73%	70%	73% 70%
.5 Understand construction quality assurance & control	73%	71%	73% 71%
.6 Understand construction project control processes	77%	76%	77% 76%
.7 Understand the legal implications of contracts	73%	72%	73% 72%
.8 Understand the principles of sustainable construction	58%	61%	58% 61%
.9 Understand the principles of structural behavior	67%	66%	67% 66%
20 Understand the principles of MEP	75%	74%	75% 74%

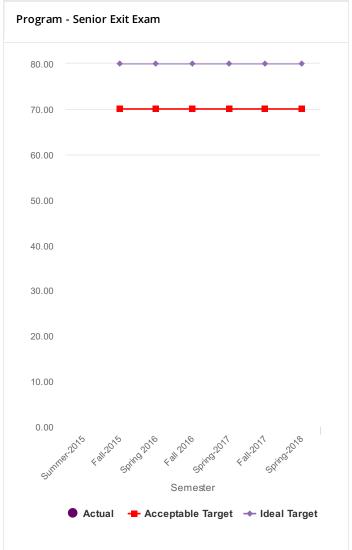
# Program - Senior Exit Exam CM Student Learning Outcomes

#### Description

Seniors in the CM 4202 Construction Enterprise course take a comprehensive exit exam to assess student learning across the entire CM curriculum.

- Acceptable Target: Average 70% passing the exam
- Ideal Target: 80% passing the related component of the exam
- Implementation Plan (timeline): Data collected each semester; analyzed annually
- **Key/Responsible Personnel:** Instructor of record for CM 4202





Period	-	Status	Actual	Acceptable Target	Ideal Target
Fall-2015	+	Below Plan	29.00	70.00%	80.00%
Spring 2016		Caution	53.00	70.00%	80.00%
Fall 2016	+	Below Plan	43.00	70.00%	80.00%
Spring-2017	+	Below Plan	43.00	70.00%	80.00%
Fall-2017		Caution	57.30	70.00%	80.00%
Spring-2018		No Information		70.00%	80.00%
Fall-2018		No Information		70.00%	80.00%
Spring-2019		No Information		70.00%	80.00%

#### **SLO Senior Exit Exam**

CM Student Learning Outcomes

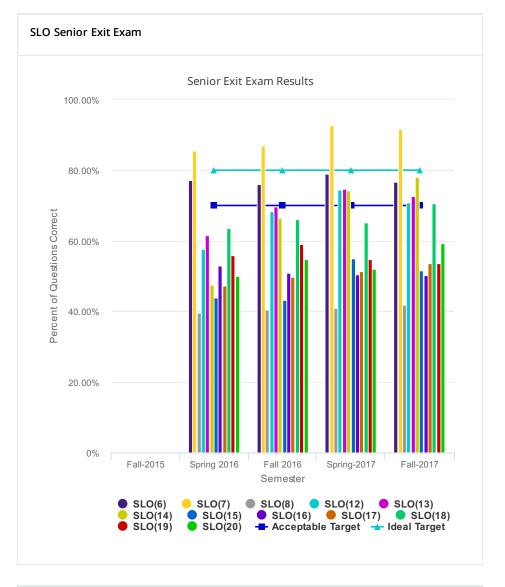
#### Description

Graduating seniors take an a comprehensive exit exam in their last semester in college. It assesses our twenty BSCM program SLOs indirectly or directly.

- Acceptable Target: 70% of the student answering the questions correctly
- Ideal Target: 80% of the students answering the questions correctly
- Implementation Plan (timeline): Data gathered each semester; analyzed each academic year
- Key/Responsible Personnel: Instructor of record for CM 4202 Construction Enterprise.

#### Direct Assessment:

- SLO(6) Analyze professional decision based on ethical principles.
- SLO(7) Analyze construction documents for planning and management of construction processes
- SLO(8) Analyze methods, materials, and equipment used to construct projects
- SLO(12) Understand different methods of project delivery and the roles and
- responsibilities of all constituencies involved in the design and construction process
- SLO(13) Understand construction risk management
- SLO(14) Understand construction accounting and cost control
- SLO(15) Understand construction quality assurance and control
- SLO(16) Understand construction project control processes
- SLO(17) Understand the legal implications of contract, common, and regulatory law to manage a construction project.
- SLO(18) Understand the basic principles of sustainable construction
- SLO(19) Understand the basic principles of structural behavior
- SLO(20) Understand the basic principles of mechanical, electrical and piping systems.





# Linked Objects BSCM - SLO 6 Analyze professional decisions based on ethical principles CM Student Learning Outcomes BSCM - SLO 7 Analyze construction documents for planning and manageme... CM Student Learning Outcomes BSCM - SLO 8 Analyze methods, materials, and equipment used to construc... CM Student Learning Outcomes BSCM - SLO 12 Understand different methods of project delivery and the ro... CM Student Learning Outcomes



- BSCM SLO 14 Understand construction accounting and cost control CM Student Learning Outcomes
- BSCM SLO 15 Understand construction quality assurance and control CM Student Learning Outcomes
- BSCM SLO 16 Understand construction project control processes CM Student Learning Outcomes
- BSCM SLO 17 Understand the legal implications of contract, common, and.. CM Student Learning Outcomes
- BSCM SLO 18 Understand the basic principles of sustainable construction CM Student Learning Outcomes
- BSCM SLO 19 Understand the basic principles of structural behavior CM Student Learning Outcomes
- BSCM SLO 20 Understand the basic principles of mechanical, electrical and. CM Student Learning Outcomes

## Attachments

Series	Fall 2016
SLO(6)	76.00%
SLO(7)	86.80%
SLO(8)	40.44%
SLO(12)	68.22%
SLO(13)	69.60%
SLO(14)	66.50%
SLO(15)	43.20%
SLO(16)	51.00%
SLO(17)	49.67%
SLO(18)	66.00%
SLO(19)	59.00%
SLO(20)	54.67%
Acceptable Target	70.00%
Ideal Target	80.00%

#### Senior Exit Exam - Fall 2017

Friday, October 27, 2017

	Exam A	Exam B
Number of complete graded first attempts	59	59
Average grade of all attempts	59.54%	63.20%
Standard deviation (for highest graded attempt)	11.18%	7.24%
Score distribution skewness (for highest graded attempt)	0.0642	-0.0533
Score distribution kurtosis (for highest graded attempt)	-0.4772	-0.823
Coefficient of internal consistency (for highest graded attempt)	64.58%	69.45%
Error ratio (for highest graded attempt)	59.51%	55.28%
Standard error (for highest graded attempt)	6.65%	4.00%

Discriminative Efficiency - Estimate how good the discrimination index is relative to the difficulty of the question; too easy or too hard < 15%

SLO 1 - Understanding	construction	accounting and	cast cantral

Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
S01D_Q01 Edit - Depr	59	96.61%	18.25%	25.00%	0.99%	1.02%	29.58%	88.34%
S01D_Q05 Edits When	59	96.61%	18.25%	25.00%	0.99%	0.94%	24.35%	72.79%
S01D_Q101 Edit - Wh	59	94.92%	22.16%	25.00%	2.56%	2.22%	26.84%	59.70%
S01D_Q132 - Product	59	42.37%	49.84%	20.00%	2.56%	3.01%	14.69%	18.25%
S01D_Q133 - Product	59	49.15%	50.42%	20.00%	2.56%	4.17%	39.58%	48.91%
S01D-Q02 - The differ	59	89.83%	30.48%	25.00%	0.99%	0.82%	8.23%	14.59%
S01D-Q03 Edits - This	59	81.36%	39.28%	25.00%	0.99%	0.51%	-1.69%	-2.38%
S01D-Q04 - Working (	59	72.88%	44.84%	25.00%	0.99%	0.59%	-1.77%	-2.25%

AVG 77.97% ACCE - SLO 14

#### SLO - 2 Understand construction risk management

Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
S02D_Q06 Edit All of	59	84.75%	36.26%	25.00%	0.99%	1.16%	15.64%	23.88%
S02D_Q07 Edit Comp	59	91.53%	28.09%	25.00%	0.99%	1.03%	17.40%	33.42%
S02D_Q08 - Define ris	59	76.27%	42.91%	25.00%	0.99%	1.04%	8.27%	10.92%
S02D_Q09 - Typical st	59	69.49%	46.44%	25.00%	0.99%		-18.38%	-23.22%
S02D_Q10 - Which of	59	40.68%	49.54%	25.00%	0.99%	1.88%	33.58%	40.77%

AVG 72.54% ACCE - SLO 13

#### SLO 3 - Understand the legal implications of contract, common, and regulatory law to manage a construction project

51.53% ACCE - SLO 15

Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
S03D_Q11 Edit2 -A w	59	64.41%	48.29%	25.00%	0.99%	1.37%	15.28%	18.75%
S03D_Q12 Edits - Whi	59	3.39%	18.25%	20.00%	0.99%		-13.64%	-37.29%
S03D_Q13 - What is c	59	23.73%	42.91%	25.00%	0.99%	0.32%	-4.56%	-6.35%
SO3D_Q14 - What is t	59	98.31%	13.02%	25.00%	0.99%	0.71%	19.71%	84.43%
S03D_Q15 - Which on	59	33.90%	47.74%	25.00%	0.99%	1.70%	27.80%	34.88%
S03D_Q16 Edits	59	98.31%	13.02%	25.00%	0.99%	0.74%	21.54%	92.22%
	AVG	53 68%	ACCE - SLO 17					

#### SLO 4 - Understand construction project control processes

Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
S04D_Q17 - Define pr	59	52.54%	50.36%	25.00%	0.99%	1.59%	21.21%	25.09%
S04D_Q18 Edit - From	59	15.25%	36.26%	25.00%	0.99%		-23.86%	-37.52%
S04D_Q19 - If a proje	59	57.63%	49.84%	25.00%	0.99%	1.68%	25.25%	30.38%
S04D_Q20 Edits - In e	59	40.68%	49.54%	25.00%	0.99%	1.25%	10.97%	13.60%
S04D_Q21 - Which on	59	62.71%	48.77%	25.00%	0.99%	1.57%	21.86%	26.72%
S04D_Q22 - Which pr	59	59.32%	49.54%	25.00%	0.99%		-11.97%	-14.57%
S04D_Q23 - Your proj	59	84.75%	36.26%	25.00%	0.99%	1.60%	35.00%	52.93%
S04D_Q24 - Your proj	59	28.81%	45.68%	25.00%	0.99%	1.75%	31.53%	41.29%
	AVG	EO 219/	ACCE SIG 16					

#### SLO 5 - Understand constuction quality assurance and control

AVG

	Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency	
	S05D_Q25 - A lower s	59	72.88%	44.84%	25.00%	0.99%	1.82%	35.88%	46.07%	
	S05D_Q26 - A	59	54.24%	50.25%	25.00%	0.99%	1.49%	17.99%	21.37%	
	S05D_Q27 Edits - An e	59	6.78%	25.36%	25.00%	0.99%		-27.69%	-57.85%	
	S05D_Q28 - For a des	59	86.44%	34.53%	25.00%	0.99%	0.70%	3.24%	5.10%	
	S05D_Q30 Edit - Wha	59	37.29%	48.77%	25.00%	0.99%	0.57%	-2.93%	-3.66%	

#### SLO 6 - Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process

Question - <b>Direct</b>	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
S06D_Q31 Edit 2 - A d	59	69.49%	46.44%	25.00%	0.99%		-15.39%	-19.41%
S06D_Q32 Edit - Cont	59	74.58%	43.92%	25.00%	0.99%	2.08%	50.60%	66.01%
S06D_Q33 - One adva	59	79.66%	40.60%	25.00%	0.99%	2.01%	51.10%	70.93%
S06D_Q34 - Edits2 A (	59	27.12%	44.84%	25.00%	0.99%	1.28%	14.38%	19.32%

S06D_Q35 - Edit2 The	59	83.05%	37.84%	25.00%	0.99%	0.90%	6.89%	10.0
S06D Q36 - Which de				25.00%	0.99%	1.43%	19.53%	24.6
S06D Q37 - Which of				25.00%	0.99%	1.70%	38.18%	56.6
S06D_Q38 - Which on		77.97%		25.00%	0.99%	1.38%	19.80%	26.3
S06D_Q39 Edit - Whic		69.49%	46.44%	25.00%	0.99%	2.04%	44.71%	56.
	AVG	70.81%	ACCE - SLO 12					
7 Understand the basic princ	ciples of str	uctural behavi	or					
Question - Direct	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficier
S07D_Q40 - A beam o	59	81.36%	39.28%	25.00%	0.99%	1.53%	28.18%	39
S07D_Q41 - A cantile	59	42.37%	49.84%	25.00%	0.99%	1.46%	17.19%	20
S07D_Q42 Edits - For	59	40.68%	49.54%	25.00%	0.99%	1.76%	28.61%	35
S07D_Q43 - Material	59	33.90%	47.74%	25.00%	0.99%		-28.10%	-36
S07D_Q44 - Material	59	77.97%	41.80%	25.00%	0.99%	1.36%	19.22%	25
S07D_Q45 - Steel that	59	52.54%	50.36%	25.00%	0.99%	1.26%	10.65%	12
S07D_Q46 - Stirrups i	59	38.98%	49.19%	25.00%	0.99%		-10.56%	-12
S07D_Q47 - Which ma	59	69.49%	46.44%	25.00%	0.99%	0.58%	-2.32%	-2
S07D_Q102 - If a mate	59	69.49%	46.44%	25.00%	2.56%	3.16%	20.54%	27
S07D_Q125 - Free box	59	28.81%	45.68%	25.00%	2.56%	3.59%	30.71%	40
	AVG	53.56%	ACCE - SLO 19					
B - Understand the basic prin	nciples of n	nechanical, ele	ctrical, and plumbing s	ystems				
Question - <b>Direct</b>	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficie
S08D_Q48 Edits - A ci	59	86.44%	34.53%	25.00%	0.99%	0.89%	8.05%	12
S08D_Q49 - All boiler:	59	89.83%	30.48%	20.00%	0.99%	0.82%	8.23%	14
S08D_Q50 - Compare	59	40.68%	49.54%	20.00%	0.99%	1.83%	31.59%	39
S08D_Q51 Edit2 - He	59	50.85%	50.42%	20.00%	0.99%	1.82%	30.31%	36
S08D_Q52 Edit - Of th	59	33.90%	47.74%	20.00%	0.99%	1.60%	23.71%	29
S08D_Q53 Edit - Wha	59	28.81%	45.68%	25.00%	0.99%	0.45%	-3.73%	-4
S08D_Q54 - What is t	59	84.75%	36.26%	20.00%	0.99%	1.14%	14.98%	22
S08D_Q55 - Which of	59	18.64%	39.28%	25.00%	0.99%		-6.64%	ي-
S08D_Q56 - Which sy	59	20.34%	40.60%	20.00%	0.99%	1.25%	16.12%	23
S08D_Q57 Edits - Wh	59	96.61%	18.25%	25.00%	0.99%	0.84%	19.12%	57
S08D_Q103 Edit - A 3	59	61.02%	49.19%	25.00%	2.56%	2.11%	1.65%	2
S08D_Q104 - A lightb	59	100.00%	0.00%	25.00%	2.56%	0.00%		
· ·	-	ustainable con		Pandom quess score	Intended weight	Effective weight	Discrimination index	Discriminative efficie
· ·	nciples of s Attempts	ustainable con		Random guess score 25.00%	Intended weight 0.99%	Effective weight 0.81%	Discrimination index 13.51%	• • • • • • • • • • • • • • • • • • • •
Question - Direct	n <b>ciples of s</b> Attempts 59	ustainable con Facility index	struction Standard deviation 22.16%	-	_			33
<i>Question - <b>Direct</b></i> S09D_Q58 - Edit To er	nciples of s Attempts 59 59	ustainable cons Facility index 94.92% 52.54% 64.41%	struction Standard deviation 22.16% 50.36% 48.29%	25.00%	0.99%	0.81%	13.51%	33 5
Question - <b>Direct</b> S09D_Q58 - Edit To er S09D_Q59 Edits - The	nciples of s Attempts 59	ustainable cons Facility index 94.92% 52.54% 64.41%	struction Standard deviation 22.16% 50.36%	25.00% 25.00%	0.99% 0.99%	0.81% 1.03%	13.51% 4.96%	33 5
Question - Direct S09D_Q58 - Edit To et S09D_Q59 Edits - The S09D_Q60 - This mate	Attempts 59 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62% or construction	struction Standard deviation 22.16% 50.36% 48.29% ACCE - SLO 18	25.00% 25.00% 25.00%	0.99% 0.99% 0.99%	0.81% 1.03% 1.06%	13.51% 4.96% 6.35%	33 5 7
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect	Attempts 59 59 AVG Acthologies for Attempts	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62% or construction Facility index	struction Standard deviation 22.16% 50.36% 48.29% ACCE - SLO 18 I layout Standard deviation	25.00% 25.00% 25.00% Random guess score	0.99% 0.99% 0.99%	0.81% 1.03%	13.51% 4.96% 6.35% Discrimination index	33 5 7 Discriminative efficie
Question - Direct S09D_Q58 - Edit To et S09D_Q59 Edits - The S09D_Q60 - This mate	Attempts 59 59 AVG Achniques f Attempts 59 59 59 59 59 60 60 60 60 60 60 60 60 60 60 60 60 60	ustainable cons Facility index 94.92% 52.54% 64.41% 70.62% or construction Facility index 84.75% 76.27%	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 36.26%	25.00% 25.00% 25.00%	0.99% 0.99% 0.99%	0.81% 1.03% 1.06%	13.51% 4.96% 6.35%	Discriminative efficie
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey	Attempts 59 59 AVG Acthiques f Attempts 59 AVG Attempts 59 AVG Span Attempts 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51%	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 36.26% 42.91%	25.00% 25.00% 25.00% Random guess score 25.00% 25.00%	0.99% 0.99% 0.99% Intended weight 0.99% 0.99%	0.81% 1.03% 1.06% Effective weight	13.51% 4.96% 6.35% Discrimination index -7.88% 42.87%	Discriminative efficie
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey	Attempts  solution  Attempts  solution  soluti	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51%	Standard deviation 22.16% 50.36% 48.29% ACCE - SLO 18 1 layout Standard deviation 36.26% 42.91% Standard deviation	25.00% 25.00% 25.00% Random guess score 25.00%	0.99% 0.99% 0.99% Intended weight 0.99%	0.81% 1.03% 1.06%	13.51% 4.96% 6.35% Discrimination index -7.88%	Discriminative efficie -11 56 Discriminative efficie
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct	Attempts 59 AVG Attempts 69 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index	Standard deviation 22.16% 50.36% 48.29% ACCE - SLO 18 1 layout Standard deviation 36.26% 42.91% Standard deviation 22.16%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score	0.99% 0.99% 0.99% Intended weight 0.99% Intended weight	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index	Discriminative efficie -11 56 Discriminative efficie 35
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc	Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58%	Struction Standard deviation 22.16% 50.36% 48.29% ACCE - SLO 18 I layout Standard deviation 36.26% 42.91% Standard deviation 22.16% 43.92%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00%	0.99% 0.99% 0.99% Intended weight 0.99% Intended weight 2.56%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70%	Discriminative efficie -11 56 Discriminative efficie 33 28
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Cale S11D_Q106 Edit - Cale S11D_Q107 - Calculat	Attempts 59 AVG schniques ff Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or constructior Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27%	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  I layout  Standard deviation  36.26%  42.91%  Standard deviation  22.16%  43.92%  42.91%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00% 25.00%	0.99% 0.99% 0.99% Intended weight 0.99% Intended weight 2.56% 2.56%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44%	Discriminative efficie -12 56 Discriminative efficie 33 28
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc	Attempts 59 AVG schniques ff Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or constructior Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27%	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  I layout  Standard deviation  36.26%  42.91%  Standard deviation  22.16%  43.92%  42.91%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% Intended weight 0.99% Intended weight 2.56% 2.56%	0.81% 1.03% 1.06% Effective weight 1.92% Effective weight 1.88% 3.04% 3.38%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98%	Discriminative efficie -11 -12 -13 -14 -15 -15 -16 -17 -17 -18 -19 -19 -19 -19 -19 -19 -19 -19 -19 -19
Question - Direct S09D_Q58 - Edit To er S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc	Attempts 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 36.26% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% Intended weight 0.99% Intended weight 2.56% 2.56%	0.81% 1.03% 1.06% Effective weight 1.92% Effective weight 1.88% 3.04% 3.38%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98%	Discriminative efficie -11 56 Discriminative efficie 33 28 40
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec	Attempts 59 AVG Cisions bas	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 36.26% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% Intended weight 0.99% Intended weight 2.56% 2.56%	0.81% 1.03% 1.06% Effective weight 1.92% Effective weight 1.88% 3.04% 3.38%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98%	Discriminative efficies  Discriminative efficies  Discriminative efficies  39 28 40 52
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec	Attempts 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 36.26% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples Standard deviation	25.00% 25.00% 25.00% Random guess score 25.00% Random guess score 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% Intended weight 2.56% 2.56% 2.56%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%	13.51% 4.96% 6.35% Discrimination index -7.88% 42.87% Discrimination index 17.70% 20.44% 28.98% 28.05%	Discriminative efficies  Discriminative efficies  Discriminative efficies  Discriminative efficies
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Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Con	Attempts 59 AVG Attempts 59 59 AVG Attempts 59 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44%	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  a layout  Standard deviation  36.26%  42.91%  Standard deviation  22.16%  43.92%  42.91%  28.09%  rinciples  Standard deviation  40.60%  34.53%	25.00% 25.00% 25.00% Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99%  Intended weight 0.99% 0.99%  Intended weight 2.56% 2.56% 2.56% 1.56% Intended weight 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86%	Discriminative efficies  Discriminative efficies  Discriminative efficies  28  40  52  Discriminative efficies  24  10
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Con S12D_Q65 Edit - Cons	Attempts 59 AVG Cisions bas Attempts 59 59 AVG Cisions bas 59 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75%	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  I layout  Standard deviation  36.26%  42.91%  Standard deviation  22.16%  43.92%  42.91%  28.09%  rinciples  Standard deviation  40.60%  34.53%  50.07%  36.26%	25.00% 25.00% 25.00% Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 1ntended weight 2.56% 2.56% 2.56% 1.56% 1ntended weight 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67%	Discriminative efficie  Discriminative efficie  33 28 40 52 Discriminative efficie 24 10 -2
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Cali S11D_Q106 Edit - Cali S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional de Question - Direct S12D_Q64 Edits - Con S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi	Attempts 59 AVG Attempts 59 59 AVG Cisions bas Attempts 59 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70%	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout  Standard deviation 22.16% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples  Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6	25.00% 25.00% 25.00% Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 1ntended weight 2.56% 2.56% 2.56% 1.56% 1.56% 0.99% 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86%	Discriminative efficie  Discriminative efficie  33 28 40 52 Discriminative efficie 24 10 -2
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q105 - Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Con S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater	Attempts 59 AVG Attempts 59 59 AVG Attempts 59 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70% quipment used	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  I layout  Standard deviation  22.16%  42.91%  Standard deviation  22.16%  43.92%  42.91%  28.09%  rinciples  Standard deviation  40.60%  34.53%  50.07%  36.26%  ACCE - SLO 6	25.00% 25.00% 25.00% Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 2.56% 2.56% 2.56% 2.56% 0.99% 0.99% 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%	Discriminative efficie  Discriminative efficie  33 28 40 52 Discriminative efficie 24 11 17
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q105 - Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Cons S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater Question - Indirect	Attempts 59 AVG Cisions bas Attempts 59 AVG Attempts 59 AVG Cisions bas Attempts 59 AVG Attempts 59 AVG Cisions bas Attempts 59 AVG Attempts 59 AVG Attempts 59 AVG	ustainable con:     Facility index     94.92%     52.54%     64.41%     70.62%  or construction     Facility index     84.75%     76.27%     80.51%  Facility index     94.92%     74.58%     76.27%     91.53%     84.33%  ed on ethical p     Facility index     79.66%     86.44%     55.93%     84.75%     76.70%  quipment used     Facility index	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout Standard deviation 26.26% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% Random guess score 33.33% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 2.56% 2.56% 2.56% 0.99% 0.99% 0.99% 0.99% 1.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%	Discriminative efficie  Discriminative efficie  24  Discriminative efficie 24  Discriminative efficie 24  Discriminative efficie 25  Discriminative efficie
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Con S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater Question - Indirect S13_Q136 (section A)	Attempts 59 AVG Cisions bas Attempts 59 AVG Attempts 59 AVG Cisions bas Attempts 59 AVG Attempts 59 AVG Attempts 59 59 AVG Tials, and ee Attempts	ustainable conservation facility index 94.92% 52.54% 64.41% 70.62% or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33% ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70% quipment used Facility index 8.47%	Struction  Standard deviation 22.16% 50.36% 48.29%  ACCE - SLO 18  I layout  Standard deviation 22.16% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples  Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%  Random guess score 33.33% 33.33% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 1ntended weight 2.56% 2.56% 2.56% 1.56% 1.56% 0.99% 0.99% 0.99% 0.99% 1.99% 1.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%  Effective weight	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%  Discrimination index	Discriminative efficies  Discriminative efficies  39 28 40 52  Discriminative efficies 24 10 -2 17  Discriminative efficies 24 25 26 27 27  Discriminative efficies 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Cale S11D_Q106 Edit - Cale S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dee Question - Direct S12D_Q64 Edits - Cons S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater Question - Indirect S13_Q136 (section A) S13_Q137 (Section A)	Attempts 59 AVG  Attempts 59 AVG  cisions bas Attempts 59 AVG  cisions bas Attempts 59 AVG Attempts 59 59 AVG 59 59 AVG  fials, and e Attempts 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70%  quipment used Facility index 8.47% 62.71%	Struction  Standard deviation  22.16% 50.36% 48.29%  ACCE - SLO 18  I layout  Standard deviation 22.16% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples  Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%  Intended weight 0.99% 0.99%  Intended weight 2.56% 2.56% 2.56% 0.99% 0.99% 0.99% 0.99% Intended weight 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%  Discrimination index -11.48% 24.36%	Discriminative efficies  Discriminative efficies  28  40  52  Discriminative efficies  24  10  -2  17  Discriminative efficies  24  25  26  27  28
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Cons S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater Question - Indirect S13_Q136 (section A) S13_Q137 (Section A) S13_Q138 (Section A)	Attempts 59 AVG  cisions bas Attempts 59 AVG  cisions bas Attempts 59 AVG  cisions bas Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51% Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70%  quipment used Facility index 8.47% 62.71% 98.31%	Struction  Standard deviation  22.16% 50.36% 48.29%  ACCE - SLO 18  I layout  Standard deviation 22.16% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples  Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% Intended weight 2.56% 2.56% 2.56% 0.99% 0.99% 0.99% 0.99% 1ntended weight 0.99% 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%  Effective weight	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%  Discrimination index -11.48% 24.36% -9.32%	Discriminative efficies  Discriminative efficies  39 28 40 52  Discriminative efficies 24 10 -2 17  Discriminative efficies 24 29 -40
Question - Direct S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 - Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey Question - Direct S11D_Q105 - Edit Calc S11D_Q106 Edit - Calc S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 - Analyze professional dec Question - Direct S12D_Q64 Edits - Cons S12D_Q65 Edit - Cons S12D_Q66 - After a \$: S12D_Q68 Edits - Whi  3 - Analyze methods, mater Question - Indirect S13_Q136 (section A) S13_Q137 (Section A) S13_Q138 (Section A) S13_Q138 (Section A)	Attempts 59 AVG Cisions bas Attempts 59 AVG Cisions bas Attempts 59 AVG Cisions bas Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51%  Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70%  quipment used Facility index 8.47% 62.71% 98.31% 10.17%	Struction  Standard deviation  22.16% 50.36% 48.29%  ACCE - SLO 18  I layout  Standard deviation 22.16% 42.91%  Standard deviation 22.16% 43.92% 42.91% 28.09%  rinciples  Standard deviation 40.60% 34.53% 50.07% 36.26%  ACCE - SLO 6  I to construct projects Standard deviation 28.09% 48.77% 13.02% 30.48%	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% Intended weight 2.56% 2.56% 2.56% 2.56% 1.56% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%  Effective weight 1.64%	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%  Discrimination index -11.48% 24.36% -9.32% 16.07%	Discriminative efficiee  Discriminative efficiee  39 28 40 52  Discriminative efficiee 24 10 -2 17  Discriminative efficiee 24 29 -40 29
S09D_Q58 - Edit To ei S09D_Q59 Edits - The S09D_Q60 - This mate  1 Apply basic surveying te Question - Indirect S11_Q61 - What is th S11_Q63 - The survey  Question - Direct S11D_Q105 - Edit Calc S11D_Q105 - Edit Calc S11D_Q107 - Calculat S11D_Q107 - Calculat S11D_Q108 Edits - Cc  2 Analyze professional dec Question - Direct S12D_Q64 Edits - Cons S12D_Q65 Edit - Cons S12D_Q65 Edit - Whi  3 Analyze methods, mater Question - Indirect S13_Q136 (section A) S13_Q137 (Section A) S13_Q138 (Section A)	Attempts 59 AVG Cisions bas Attempts 59 59 AVG Cisions bas Attempts 59 59 59 AVG Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	ustainable con: Facility index 94.92% 52.54% 64.41% 70.62%  or construction Facility index 84.75% 76.27% 80.51%  Facility index 94.92% 74.58% 76.27% 91.53% 84.33%  ed on ethical p Facility index 79.66% 86.44% 55.93% 84.75% 76.70%  quipment used Facility index 8.47% 62.71% 98.31% 10.17% 50.85%	Struction  Standard deviation  22.16%  50.36%  48.29%  ACCE - SLO 18  I layout  Standard deviation  22.16%  42.91%  Standard deviation  22.16%  43.92%  42.91%  28.09%  rinciples  Standard deviation  40.60%  34.53%  50.07%  36.26%  ACCE - SLO 6  I to construct projects  Standard deviation  28.09%  48.77%  43.02%  30.48%  50.42%	25.00% 25.00% 25.00%  Random guess score 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% Intended weight 2.56% 2.56% 2.56% 0.99% 0.99% 0.99% 0.99% 1ntended weight 0.99% 0.99% 0.99%	0.81% 1.03% 1.06%  Effective weight 1.92%  Effective weight 1.88% 3.04% 3.38% 2.59%  Effective weight 1.30% 0.84% 0.67% 1.04%  Effective weight	13.51% 4.96% 6.35%  Discrimination index -7.88% 42.87%  Discrimination index 17.70% 20.44% 28.98% 28.05%  Discrimination index 17.86% 6.67% -1.86% 11.68%  Discrimination index -11.48% 24.36% -9.32%	Discriminative efficie 33 55 77 Discriminative efficie -11 56 Discriminative efficie 39 28 40 52 Discriminative efficie 24 10 -2 17 Discriminative efficie -22 29 -40 29 46

S13_Q73 - The hingec	59	66.10%	47.74%	25.00%	0.99%	1.04%	6.16%	7.54
S13_Q74 - Edit Which	59	28.81%	45.68%	25.00%	0.99%		-6.29%	-8.38
S13_Q75 - Which of t	59	81.36%	39.28%	25.00%	0.99%	1.24%	16.49%	23.40
S13_Q76 Edits - Wood	59	67.80%	47.13%	25.00%	0.99%	0.89%	2.96%	3.67
S13_Q112 - Edit 6.Wh	59	69.49%	46.44%	25.00%	2.56%	3.07%	18.75%	24.82
S13_Q134 -Edit What	59	100.00%	0.00%	25.00%	2.56%	0.00%		
	AVG	54.50%						
		Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficienc
S13D_Q109 - Edit2 - V	59	44.07%	50.07%	25.00%	2.56%	2.38%	4.58%	5.69
S13D_Q110 Edit -A co	59	44.07%	50.07%	25.00%	2.56%	4.23%	41.48%	51.4
S13D_Q111 - Edit 5.A	59	44.07%	50.07%	25.00%	2.56%	3.55%	25.16%	30.8
S13D_Q135 - Edit 8.®	59	88.14%	32.61%	25.00%	2.56%	2.61%	22.73%	38.7
S13D_Q139 (Section I	59	25.42%	43.92%	25.00%	2.56%	1.46%	-3.15%	-4.1
S13D_Q140 (Section I	59 59	22.03% 59.32%	41.80% 49.54%	25.00% 25.00%	2.56% 2.56%	2.37% 2.86%	9.59% 12.26%	12.8 15.6
S13D_Q141 (Section I S13D_Q142 (Section I	59	8.47%	28.09%	25.00%	0.99%	2.00/0	-13.14%	-25.6
S13D_Q142 (Section I	59	16.95%	37.84%	25.00%	2.56%		-14.00%	-20.0
3135_Q143 (30000011	AVG		ACCE - SLO 8	23.00%	2.30/0		14.00%	20.0
1 - Analyze construction do	ruments fo	r nlanning and	management of the c	onstruction process				
Question - Indirect			•	Random quess score	Intended weight	Effective weight	Discrimination index	Discriminative efficien
S14 Q77 - Edits Contr	59	100.00%	0.00%	25.00%	0.99%	0.00%		,,
S14 Q78 Edits - Squar	59	84.75%	36.26%	25.00%	0.99%	1.57%	33.65%	51.
S14 Q79 - Working C	59	81.36%	39.28%	25.00%	0.99%	0.66%	0.71%	1.
S14_Q80 - Importanc	59	96.61%	18.25%	50.00%	0.99%		-23.47%	-71.
S14_Q81 - Relationsh	59	94.92%	22.16%	50.00%	0.99%		-3.57%	-8.
	AVG	91.53%	ACCE - SLO 7					
- Create a construction pro	oject safety	y plan						
Question - Indirect	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficier
S18_Q82 - Edits An ef	59	62.71%	48.77%	25.00%	0.99%	1.82%	31.91%	39.
S18_Q83 - Edits A key	59	86.44%	34.53%	25.00%	0.99%	1.28%	21.91%	34.
S18_Q84 - Edit2 - On	59	91.53%	28.09%	25.00%	0.99%	1.17%	23.37%	44.
	AVG	80.23%	ACCE - SLO 3					
Question - Indirect	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	• • • • • • • • • • • • • • • • • • • •
Question - <b>Indirect</b> S19_Q85 Edits - Bid Fo	Attempts 59	Facility index 23.73%	42.91%	25.00%	0.99%	Effective weight 1.17%	12.03%	16.
Question - Indirect S19_Q85 Edits - Bid Fo S19_Q86 - Cash Allow	Attempts 59 59	Facility index 23.73% 38.98%	42.91% 49.19%	25.00% 25.00%	0.99% 0.99%	1.17%	12.03% -7.23%	16. -8.
Question - Indirect S19_Q85 Edits - Bid Fi S19_Q86 - Cash Allow S19_Q87 Edits - Conti	Attempts 59 59 59	Facility index 23.73% 38.98% 91.53%	42.91% 49.19% 28.09%	25.00% 25.00% 25.00%	0.99% 0.99% 0.99%		12.03% -7.23% 4.69%	16. -8. 9.
Question - Indirect S19_Q85 Edits - Bid Fi S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Es	Attempts 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83%	42.91% 49.19% 28.09% 30.48%	25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99%	1.17% 0.66%	12.03% -7.23% 4.69% -4.95%	16 -8 9 -8
Question - Indirect S19_Q85 Edits - Bid Fi S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Es S19_Q89 - Edits Part (	Attempts 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36%	42.91% 49.19% 28.09% 30.48% 39.28%	25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99%	1.17% 0.66% 1.60%	12.03% -7.23% 4.69% -4.95% 31.29%	16 -8 9 -8 44
Question - Indirect S19_Q85 Edits - Bid Fo S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Es S19_Q89 - Edits Part of S19_Q90 - General Oo	Attempts 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	1.17% 0.66% 1.60% 1.26%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91%	16 -8 9 -8 44 13
Question - Indirect S19_Q85 Edits - Bid Fo S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Es S19_Q89 - Edits Part of S19_Q90 - General On S19_Q91 - Edits Wide	Attempts 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	1.17% 0.66% 1.60% 1.26% 0.87%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43%	16 -8 9 -8 44 13 61
Question - Indirect S19_Q85 Edits - Bid Fi S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Es S19_Q89 - Edits Part ( S19_Q90 - General Ox S19_Q91 - Edits Wide S19_Q113 - Board Fee	Attempts 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56%	1.17% 0.66% 1.60% 1.26% 0.87% 1.54%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91%	16 -8 9 -8 44 13 61
Question - Indirect S19_Q85 Edits - Bid For S19_Q86 - Cash Allow S19_Q87 Edits - Contict S19_Q88 - Detailed Estendard S19_Q89 - Edits Part or S19_Q90 - General On S19_Q91 - Edits Wide S19_Q113 - Board Feet S19_Q114 - Total SF or S19_Q144 - Total SF or	Attempts 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33% 33.33%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43% 2.89%	16 -8 9 -8 44 13 61
Question - Indirect  \$19_Q85 Edits - Bid Fi  \$19_Q86 - Cash Allow  \$19_Q87 Edits - Conti  \$19_Q88 - Detailed Es  \$19_Q89 - Edits Parl Co  \$19_Q90 - General Ox  \$19_Q91 - Edits Wide  \$19_Q113 - Board Fee  \$19_Q114 - Total SF Co  \$19_Q115 - Calculate	Attempts 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33% 33.33% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43% 2.89%	16 -8 9 -8 44 13 61 4
Question - Indirect  \$19_Q85 Edits - Bid Fi  \$19_Q86 - Cash Allow  \$19_Q87 Edits - Conti  \$19_Q88 - Detailed Es  \$19_Q89 - Edits Part c  \$19_Q90 - General On  \$19_Q91 - Edits Wide  \$19_Q113 - Board Fee  \$19_Q114 - Total SF c  \$19_Q115 - Calculate  \$19_Q116 - Calculate	Attempts	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33% 33.33% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56%	1.17% 0.66% 1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43% 2.89%	16 -8 9 -8 44 13 61 4
Question - Indirect  \$19_Q85 Edits - Bid Fi  \$19_Q86 - Cash Allow  \$19_Q87 Edits - Conti  \$19_Q88 - Detailed Es  \$19_Q89 - Edits Part (  \$19_Q90 - General O  \$19_Q91 - Edits Wide  \$19_Q113 - Board Fee  \$19_Q114 - Total SF c  \$19_Q115 - Calculate  \$19_Q116 - Calculate  \$19_Q117 - Calculate	Attempts 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76% 55.93%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33% 33.33% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56%	1.17% 0.66% 1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43% 2.89%  11.88% 14.02% 20.51%	16 -8 9 -8 44 13 61 4
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Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part ( \$19_Q90 - General Ox \$19_Q91 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF C \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q117 - Calculate \$19_Q119 - Calculate \$19_Q119 - Calculate \$19_Q122 - You have \$19_Q123 - You have \$19_Q124 - You have \$19_Q124 - You have	Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22%  les Facility index	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25% ACCE - SLO 4	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%	12.03% -7.23% 4.69% -4.95% 31.29% 10.91% 20.43% 2.89%  11.88% 14.02% 20.51% 19.09% 6.15% 20.22% 30.96% 52.47%	168. 98. 44. 13. 61. 4. 16. 16. 25. 23. 9. 33. 40. 64.
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Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part ( \$19_Q90 - General (O) \$19_Q91 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF o \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q118 - Calculate \$19_Q119 - Calculate \$19_Q12 - You have \$19_Q122 - You have \$19_Q123 - You have \$19_Q124 - You have \$19_Q124 - You have \$19_Q125 - Create construction proj Question - Indirect \$20_Q92 Edits - An ac \$20_Q93 Edits - The fi	Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 100.00% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22%  les Facility index 61.02% 54.24%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75%	12.03%	168. 98. 44. 13. 61. 4. 16. 25. 23. 9. 33. 40. 64.
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Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part \$19_Q90 - General Ox \$19_Q91 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF Ox \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q118 - Calculate \$19_Q118 - Calculate \$19_Q118 - Calculate \$19_Q118 - Calculate \$19_Q119 - Calculate \$19_Q124 - You have \$19_Q124 - You have \$19_Q124 - You have \$19_Q125 - You have \$19_Q126 Edits - An ac \$20_Q95 Edits - The fi \$20_Q95 Edits - Anotl \$20_Q96 Edits - prece \$20_Q97 Edits - purpo	Attempts 59 59 59 59 59 59 4VG eet schedu Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 57.12% 54.24% 59.22% les Facility index 61.02% 54.24% 59.32% 100.00% 66.10% 67.80%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33% 33.33% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 33.33%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 0.99% 0.99% 0.99%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00%	12.03%	168. 98. 44. 13. 61. 4. 16. 25. 23. 9. 33. 40. 64.  Discriminative efficier 16. 33. 126.
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Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part ( \$19_Q90 - General Ox \$19_Q91 - Edits Wide \$19_Q11 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF Ox \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q118 - Calculate \$19_Q119 - Calculate \$19_Q119 - Calculate \$19_Q12 - You have \$19_Q124 - You have \$19_Q124 - You have \$20_Q92 Edits - An ac \$20_Q92 Edits - An ac \$20_Q95 Edits - Anotl \$20_Q95 Edits - perce \$20_Q97 Edits - purpor \$20_Q98 Edits - The _ \$20_Q98 Edits - The _ \$20_Q99 Edits - The _	Attempts 59 59 59 59 59 59 AVG 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22%  les Facility index 61.02% 54.24% 59.32% 100.00% 67.80% 98.31% 57.63%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25% ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13% 13.02% 49.84%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00% 0.33% 1.82%	12.03%	Discriminative efficients 16. 33. 126. 4140. 15. 7.
Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part (\$19_Q90 - General Ox \$19_Q91 - Edits Wide \$19_Q11 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF ox \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q119 - Calculate \$19_Q119 - Calculate \$19_Q12 - You have \$19_Q123 - You have \$19_Q124 - You have \$19_Q124 - You have \$20_Q92 Edits - An ac \$20_Q93 Edits - The fill See Construction \$20_Q94 Edits - Anotl \$20_Q95 Edits - Perce \$20_Q97 Edits - Purpor \$20_Q98 Edits - The See Construction \$20_Q98 Edits - The See Construction \$20_Q99 = Activity sta \$20_Q99 - Activity sta \$20_Q100 - late activi	Attempts 59 59 59 59 59 59 AVG	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22% les Facility index 61.02% 54.24% 59.36% 66.10% 67.80% 98.31% 57.63% 22.03%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13% 13.02% 49.84% 41.80%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00% 0.33% 1.82%	12.03%	Discriminative efficier  16.  25. 23. 9. 33. 40. 64.  Discriminative - 6. 4140. 15.
Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Parl \$19_Q90 - General Os \$19_Q91 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF Cs \$19_Q115 - Calculate \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q118 - Calculate \$19_Q119 - Calculate \$19_Q122 - You have \$19_Q123 - You have \$19_Q124 - You have \$19_Q124 - You have \$19_Q125 - Total Calculate \$20_Q92 Edits - An ac \$20_Q93 Edits - An ac \$20_Q94 Edits - A crit \$20_Q95 Edits - An crit \$20_Q95 Edits - An crit \$20_Q95 Edits - An crit \$20_Q96 Edits - Prece \$20_Q97 Edits - Prece \$20_Q99 - activity sta \$20_Q100 - late activi \$20_Q120 - Using CPI	Attempts 59 59 59 59 59 4VG 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22% les Facility index 61.02% 54.24% 59.32% 66.10% 67.80% 98.31% 57.63% 22.03% 67.80%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13% 13.02% 49.84% 41.80% 47.13%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00% 0.33% 1.82%  1.31% 0.90% 2.80%	12.03%	Discriminative efficier 16. 33. 126. 4140. 15. 7.
Question - Indirect  \$19_Q85 Edits - Bid Fi \$19_Q86 - Cash Allow \$19_Q87 Edits - Conti \$19_Q88 - Detailed Es \$19_Q89 - Edits Part ( \$19_Q90 - General () \$19_Q91 - Edits Wide \$19_Q113 - Board Fee \$19_Q114 - Total SF ( \$19_Q115 - Calculate \$19_Q116 - Calculate \$19_Q117 - Calculate \$19_Q117 - Calculate \$19_Q118 - Calculate \$19_Q112 - You have \$19_Q122 - You have \$19_Q123 - You have \$19_Q124 - You have \$19_Q124 - You have \$20_Q92 Edits - An ac \$20_Q93 Edits - An ac \$20_Q95 Edits - Anotl \$20_Q95 Edits - Anotl \$20_Q95 Edits - Porpore County See Count	Attempts 59 59 59 59 59 59 59 59 59 59 59 59 59	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 88.14% 100.00% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22% les Facility index 61.02% 54.24% 59.32% 100.00% 66.10% 67.80% 98.31% 57.63% 22.03% 67.80% 81.36%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13% 13.02% 49.84% 41.80% 47.13% 39.28%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00% 0.33% 1.82%  1.31% 0.90% 2.80% 2.76%	12.03%	Discriminative efficier  16.  25. 23. 9. 33. 40. 64.  Discriminative efficier 16. 33. 126. 4140. 15. 7.
\$19_Q85 Edits - Bid For S19_Q86 - Cash Allow S19_Q87 Edits - Conti S19_Q88 - Detailed Est S19_Q89 - Edits Part of S19_Q90 - General On S19_Q91 - Edits Wide S19_Q113 - Board Feet S19_Q114 - Total SF of S19_Q115 - Calculate S19_Q116 - Calculate S19_Q116 - Calculate S19_Q118 - Calculate S19_Q119 - Calculate S19_Q122 - You have S19_Q122 - You have S19_Q124 - You have S19_Q124 - You have S19_Q126 - An act S20_Q92 Edits - An act S20_Q93 Edits - The for S20_Q96 Edits - Anotl S20_Q96 Edits - Anotl S20_Q96 Edits - Prece S20_Q97 Edits - prece S20_Q97 Edits - Prece S20_Q96 Edits - The S20_Q100 - late activity sta S20_Q120 - Using CPP S20_Q121 - Using the S20_Q126 - Schedulin	Attempts 59 59 59 59 59 59 59 59 59 59 59 59 69 69 69 69 69 69 69 69 69 69 69 69 69	Facility index 23.73% 38.98% 91.53% 89.83% 81.36% 42.37% 96.61% 18.64% 45.76% 55.93% 50.85% 13.56% 88.14% 27.12% 54.24% 59.22%  les Facility index 61.02% 54.24% 59.32% 100.00% 66.10% 67.80% 98.31% 57.63% 22.03% 67.80% 81.36% 47.46%	42.91% 49.19% 28.09% 30.48% 39.28% 49.84% 18.25% 32.61% 0.00% 39.28% 50.25% 50.07% 50.42% 34.53% 32.61% 44.84% 50.25%  ACCE - SLO 4   Standard deviation 49.19% 50.25% 49.54% 0.00% 47.74% 47.13% 13.02% 49.84% 41.80% 47.13% 39.28% 50.36%	25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00% 25.00%	0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 0.99% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56% 2.56%	1.17%  0.66%  1.60% 1.26% 0.87% 1.54% 0.00% 2.39% 2.99% 3.33% 3.27% 1.85% 2.50% 3.56% 4.63%   Effective weight 1.34% 1.75% 1.23% 0.00% 0.33% 1.82%  1.31% 0.90% 2.80% 2.76% 3.45%	12.03%	Discriminative efficier 1689844. 136141625239334064.  Discriminative efficier 16331264140157777777777

S20_Q130 - Schedullii	59	50.85%	50.42%	25.00%	2.56%	0.97%	-8.88%	-11.17%
S20_Q131 - Productiv	59	40.68%	49.54%	20.00%	2.56%	3.41%	22.66%	28.48%
	AVG	62.91% ACCE	- SLO 5					