SM- SOEN 6611 Software Measurements Summer 2017



Deliverable 1 (DESCRIPTIVE-STATISTICS)

Declaration

We, the members of the team, have read and understood the Fairness Protocol and the Communal Work Protocol, and agree to abide by the policies therein, without any exception, under any circumstances, whatsoever.

Team AAli Afzal
Paras Dhawan

SCREENSHOTS OF CYVIS TOOL FOR WMC (DESCRIPTIVE STATISTICS)

Screenshot Number 1: ModeCalculator Class

□ SM	4		
org.web.app.models	No	Method Name	Cyclomatic Complexity
■ ModeCalculator	1	calculateMode	9
 MedianCalculator 	2	checklfAlreadyInArray	3
 G StandardDeviationCalulator 	3	<init></init>	1
 O DescriptiveStatisticsModel 	4	getModeValue	1
 RandomGenerator 			
 G MeanCalculator 			
 MinValueCalculator 			
─ MaxValueCalculator			

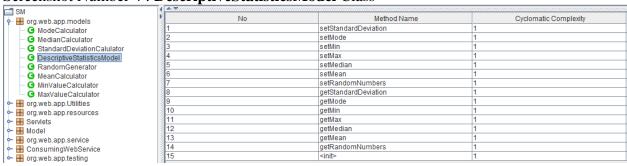
Screenshot Number 2: MedianCalculator Class

(^ -		
No	Method Name	Cyclomatic Complexity
1	dolnsertionSort	4
2	calculateMedian	2
3	copyAllValues	2
4	<init></init>	1
5	getMedianValue	1
	31	1 doinsertionSort 2 calculateMedian 3 copyAllValues 4 <init>-</init>

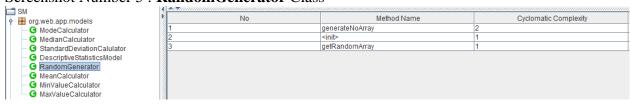
Screenshot Number 3: StandardDeviationCalulator Class

□¶ SM	4			
	8	No	Method Name	Cyclomatic Complexity
- G ModeCalculator	8 1		calculateStandardDeviation	2
- G MedianCalculator	2		squarRoot	2
 StandardDeviationCalulator 	3		<init></init>	1
 DescriptiveStatisticsModel 	4		getStdValue	1
 RandomGenerator 	8			
─ G MeanCalculator	8			
 G MinValueCalculator 	3			
─ ■ MaxValueCalculator	i i			

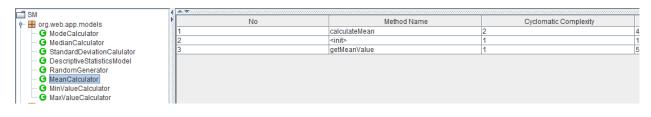
Screenshot Number 4 : **DescriptiveStatisticsModel** Class



Screenshot Number 5: RandomGenerator Class



Screenshot Number 6: MinValueCalculator Class



Screenshot Number 7: MinValueCalculator Class

r¶ sm	4	▲▼		
	Þ	No	Method Name	Cyclomatic Complexity
- G ModeCalculator		1	calculateMin	3
─ G MedianCalculator		2	<init></init>	1
— G StandardDeviationCalulator		3	getMinValue	1
 O DescriptiveStatisticsModel 				
 RandomGenerator 				
 MeanCalculator 				
 MinValueCalculator 				
■ MaxValueCalculator				

Screenshot Number 8 : MaxValueCalculator Class

r≡ sm	4				900
rg.web.app.models	N.	No	Method Name	Cyclomatic Complexity	
G ModeCalculator	8 1		calculateMax	3	41
■ MedianCalculator	2		<init></init>	1	1.
 StandardDeviationCalulator 	3		getMaxValue	1	5
 O DescriptiveStatisticsModel 	ŝ				
- G RandomGenerator					
 MeanCalculator 					
 MinValueCalculator 	8				
■ MaxValueCalculator	8				

Screenshot Number 9: RoundValues Class

CT SM	√ △ ▼		
- I org web and models	No	Method Name	Cyclomatic Complexity
org.web.app.models		round	1
• RoundValues	2	<init></init>	1

Screenshot Number 10 : **DescriptiveStatisticsResource** Class

r=1 eM	4 A		
- H org web app models	No	Method Name	Cyclomatic Complexity
org.web.app.models I org.web.app.Utilities	1	calculateStatistics	1
	2	<init></init>	1
DescriptiveStatisticsResource	3	getIt	1

Screenshot Number 11 : LoginServlet Class

r sm	4 ▲▼		
• H org.web.app.models	No	Method Name	Cyclomatic Complexity
- H org.web.app.Utilities	1	doGet	4
- H org.web.app.resources	2	<init></init>	1
Servlets			
LoginServlet			

Screenshot Number 12: DescriptiveStatisticsModel Class

org.web.app.models	No	Method Name	Cyclomatic Complexity
org.web.app.Utilities		setStandardDeviation	1
org.web.app.resources 2		setMode	1
Serviets 3		setMin	1
Model 4		setMax	1
DescriptiveStatisticsModel DescriptiveStatisticsModel		setMedian	1
org.web.app.service 6		setMean	1
ConsumingWebService 7		setRandomNumbers	1
org.web.app.testing 8		getStandardDeviation	1
9		getMode	1
10		getMin	1
11		getMax	1
12		getMeadian	1
13		getMean	1
14		getRandomNumbers	1
15		<init></init>	1

Screenshot Number 13 : **StatisticsService** Class

I SM	▲		
	No	Method Name	Cyclomatic Complexity
org.web.app.models org.web.app.Utilities org.web.app.resources	1	<init></init>	1
	2	getSTD	1
→ III Serviets	3	getMedian	1
→ III Model	4	getMode	1
org.web.app.service	5	getMin	1
G StatisticsService	6	getMax	1
ConsumingWebService ConsumingWebService	7	getMean	1
- H org.web.app.testing	8	getRandomNumbers	1

Screenshot Number 14: **HTTPClientResource** Class

r SM	∮ <u>►</u> ▼		
	No	Method Name	Cyclomatic Complexity
	1	getRequest	6
- dorg.web.app.resources	2	<init></init>	1
Servlets	3	setStatisticsObject	1
o → III Model	4	getObjectFromJson	1
- morg.web.app.service	5	getJsonFromObject	1
• H ConsumingWebService	6	getStatisticsObject	1
HTTPClientResource			