MDM4U – Final Project: Problem [Research]

Name:_____

Overall Topic

Overall Research Question:

Define 3 terms related to your research question:

Term	Definition

Explain why your topic is important:

Cluster 1:

Research Question for this cluster:

Circle the Box that applies:

Cluster	Probability	Venn Diagram	Counting Principles	2 Variable	1 Variable (mean)	1 Variable (median)	Distribution
Description	• Pie Chart • Histogram • Calculate Probability	• 2 or 3 Bubble Venn diagram • Conditional probability	• Permutations • Combinations • Counting Principles	• Scatterplot • Equation • r, r^2	• Histogram created • St Deviation, Mean	• Box and Whisker • Median, Q1, Q3, Min, Max	• Heat Maps • Simulation
1. Finding Finished Graph on-line	Find bar graphs or pie charts. Find at least 5 probs. Note source. Choose RQ.			Find scatterplot. Note source. Choose RQ.	Find histogram. Note source. Choose RQ.	Find box and whisker. Note source. Choose RQ.	
2. Making Survey yourself	Show which question will be used for pie chart. Choose RQ.	Show which 3 questions will be used to make Venn. Choose RQ.		Show which 2 questions will be used to make Scatterplot. Choose RQ.	Show which question will be used to make histogram. Choose RQ.	Show which question will be used to make box and whisker. Choose RQ.	
3. Finding Dataset online	Show which column will be used for pie chart. Choose RQ.	Show which 3 columns will be used to make Venn. Choose RQ.		Show which 2 columns will be used to make Scatterplot. Choose RQ.	Show which column will be used to make histogram. Choose RQ.	Show which column will be used to make box and whisker. Choose RQ.	
4. Alternative System			Figure out what you will calculate. Draw the boxes. Choose RQ.				Figure out diagram. Make sketch. Choose RQ.

Other information required:

1. Sketch graph	
1. Note source	
2. Survey Question(s) needed	
3. Columns on spreadsheet	
3. Spreadsheet source	
Extra notes	

Cluster 2:

Research Question for this cluster:

Circle the Box that applies:

Cluster	Probability	Venn Diagram	Counting Principles	2 Variable	1 Variable (mean)	1 Variable (median)	Distribution
Description	• Pie Chart • Histogram • Calculate Probability	• 2 or 3 Bubble Venn diagram • Conditional probability	• Permutations • Combinations • Counting Principles	• Scatterplot • Equation • r, r^2	• Histogram created • St Deviation, Mean	• Box and Whisker • Median, Q1, Q3, Min, Max	• Heat Maps • Simulation
1. Finding Finished Graph on-line	Find bar graphs or pie charts. Find at least 5 probs. Note source. Choose RQ.			Find scatterplot. Note source. Choose RQ.	Find histogram. Note source. Choose RQ.	Find box and whisker. Note source. Choose RQ.	
2. Making Survey yourself	Show which question will be used for pie chart. Choose RQ.	Show which 3 questions will be used to make Venn. Choose RQ.		Show which 2 questions will be used to make Scatterplot. Choose RQ.	Show which question will be used to make histogram. Choose RQ.	Show which question will be used to make box and whisker. Choose RQ.	
3. Finding Dataset online	Show which column will be used for pie chart. Choose RQ.	Show which 3 columns will be used to make Venn. Choose RQ.		Show which 2 columns will be used to make Scatterplot. Choose RQ.	Show which column will be used to make histogram. Choose RQ.	Show which column will be used to make box and whisker. Choose RQ.	
4. Alternative System			Figure out what you will calculate. Draw the boxes. Choose RQ.				Figure out diagram. Make sketch. Choose RQ.

Other information required:

1. Sketch graph	
1. Note source	
2. Survey Question(s) needed	
3. Columns on spreadsheet	
3. Spreadsheet source	
Extra notes	

Cluster 3:

Research Question for this cluster:

Circle the Box that applies:

Cluster	Probability	Venn Diagram	Counting Principles	2 Variable	1 Variable (mean)	1 Variable (median)	Distribution
Description	• Pie Chart • Histogram • Calculate Probability	• 2 or 3 Bubble Venn diagram • Conditional probability	• Permutations • Combinations • Counting Principles	• Scatterplot • Equation • r, r^2	• Histogram created • St Deviation, Mean	• Box and Whisker • Median, Q1, Q3, Min, Max	• Heat Maps • Simulation
1. Finding Finished Graph on-line	Find bar graphs or pie charts. Find at least 5 probs. Note source. Choose RQ.			Find scatterplot. Note source. Choose RQ.	Find histogram. Note source. Choose RQ.	Find box and whisker. Note source. Choose RQ.	
2. Making Survey yourself	Show which question will be used for pie chart. Choose RQ.	Show which 3 questions will be used to make Venn. Choose RQ.		Show which 2 questions will be used to make Scatterplot. Choose RQ.	Show which question will be used to make histogram. Choose RQ.	Show which question will be used to make box and whisker. Choose RQ.	
3. Finding Dataset online	Show which column will be used for pie chart. Choose RQ.	Show which 3 columns will be used to make Venn. Choose RQ.		Show which 2 columns will be used to make Scatterplot. Choose RQ.	Show which column will be used to make histogram. Choose RQ.	Show which column will be used to make box and whisker. Choose RQ.	
4. Alternative System			Figure out what you will calculate. Draw the boxes. Choose RQ.				Figure out diagram. Make sketch. Choose RQ.

Other information required:

1. Sketch graph	
1. Note source	
2. Survey Question(s) needed	
3. Columns on spreadsheet	
3. Spreadsheet source	
Extra notes	