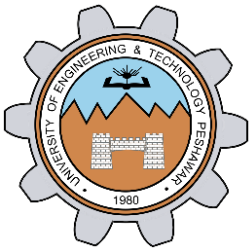
DISCRIPTIVE STATISTICS

LAB # 02



Fall 2021

Data Analytics Lab

Submitted by: **Shah Raza**

Registration No.: **18PWCSE1658**

Class Section: **B**

"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Student Signature: _____

Submitted to:

Engr. Mian Ibad Ali Shah

November 17, 2021

Department of Computer Systems Engineering

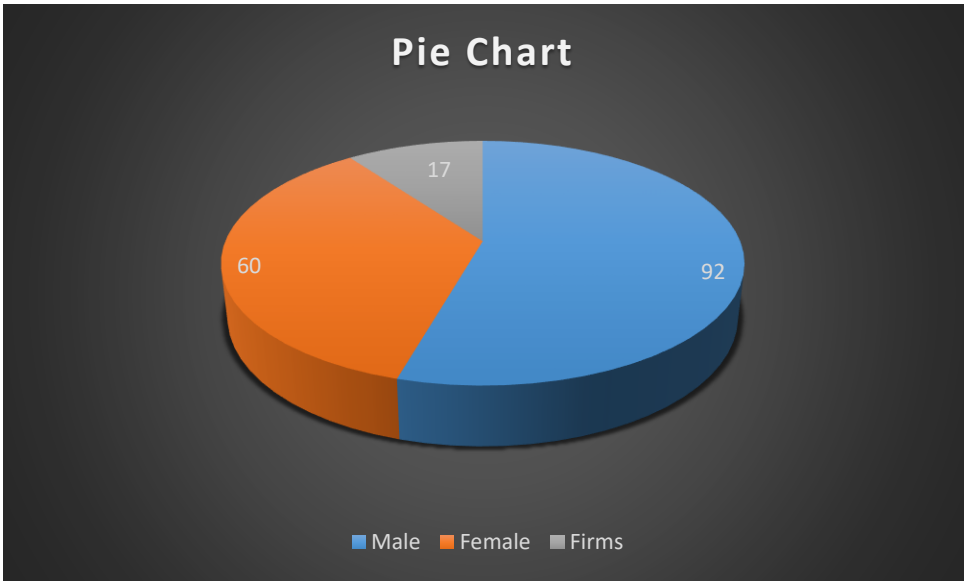
University of Engineering and Technology, Peshawar

Task #1: Create a Pie Chart for the Data given below:

Frequency distribution table

		Frequency	Relative frequency
Male	M	92	54%
Female	F	60	36%
Firms	N/A	17	10%
Total		169	100%

Pie Chart:

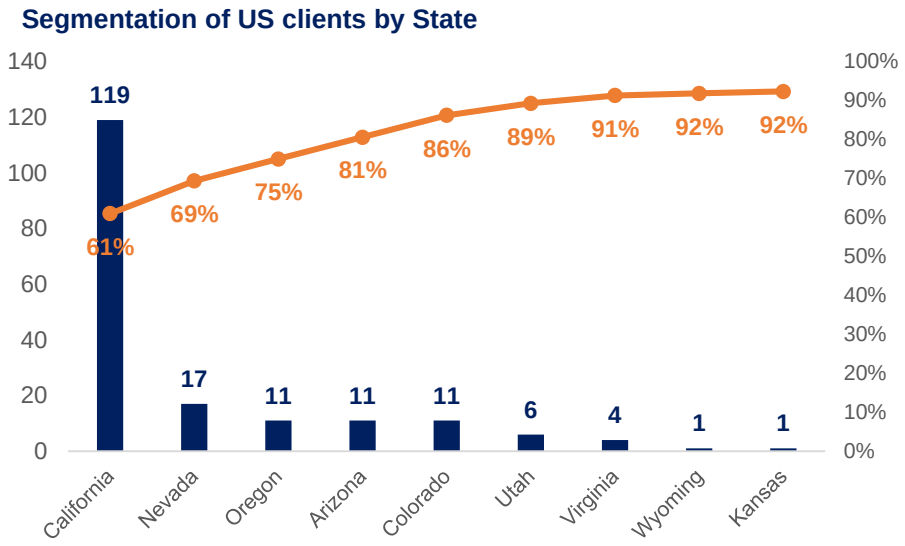


Task #2: Create a Pareto Diagram for the US Data only:

Frequency distribution table

	Frequency	Relative frequency	Cumulative frequency	Cumulative US only
California	119	61%	61%	61%
Nevada	17	9%	69%	69%
Oregon	11	6%	75%	75%
Arizona	11	6%	81%	81%
Colorado	11	6%	86%	86%
Utah	6	3%	89%	89%
Virginia	4	2%	91%	91%
Wyoming	1	1%	92%	92%
Kansas	1	1%	92%	92%
None (abroad)	15	8%	100%	
Total	196	100%		

Pareto Diagram:

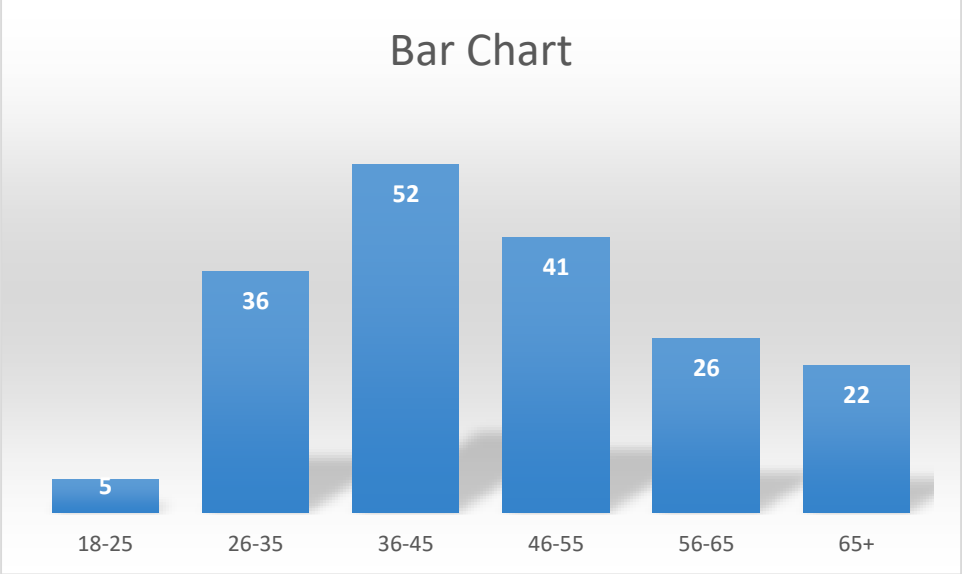


Task #3: Create a Bar Chart for the Data given below:

Frequency distribution table

	Frequency	Relative frequency
18-25	5	3%
26-35	36	20%
36-45	52	29%
46-55	41	23%
56-65	26	14%
65+	22	12%
Total	182	100%

Bar Chart:



Task #4: Create a Scatter Plot for Age Vs Price.

Scatter Plot (Age Vs Price):