ASSIGNMENT #1
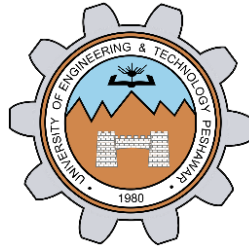

Fall 2021

Data Analytics

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."

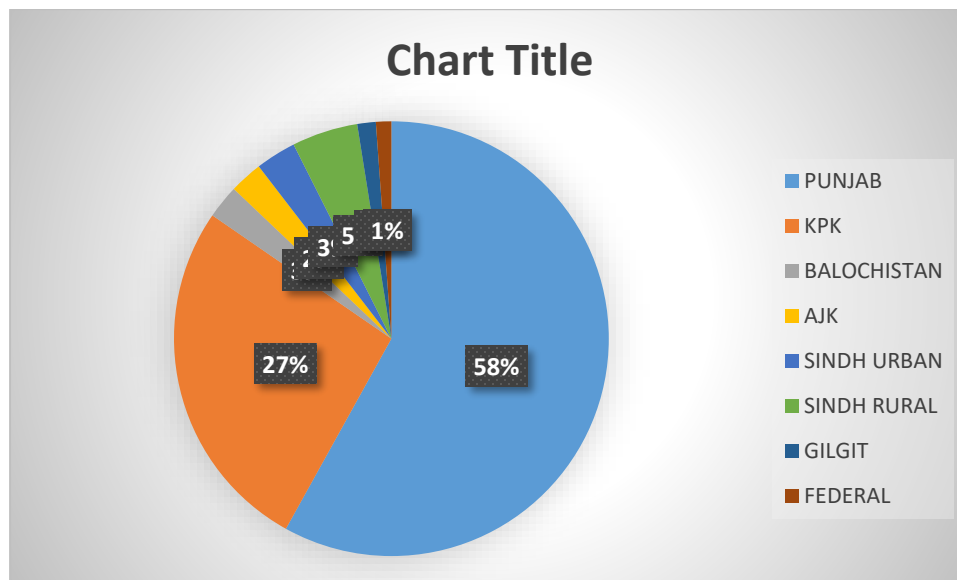Student Signature: _____

Submitted to:

Engr. Naina Said

November 20, 2021

Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar

Number of students appearing from each province:

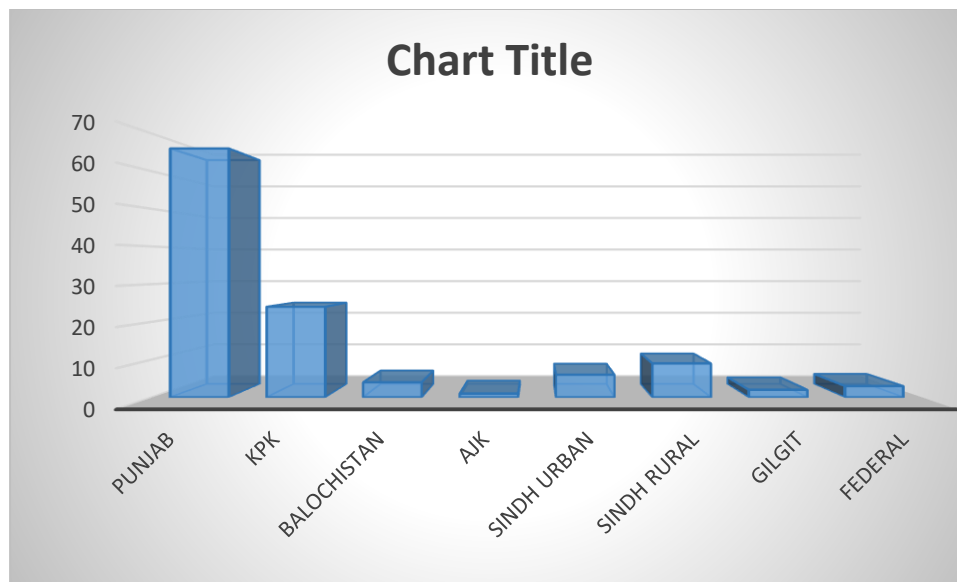| Province	Frequency
PUNJAB	2236
KPK	1022
BALOCHISTAN	96
AJK	95
SINDH URBAN	116
SINDH RURAL	189
GILGIT	53
FEDERAL	44

Pie Chart:

Punjab has the highest population in Pakistan and hence it is not surprising at all that the highest number of students are from Punjab.
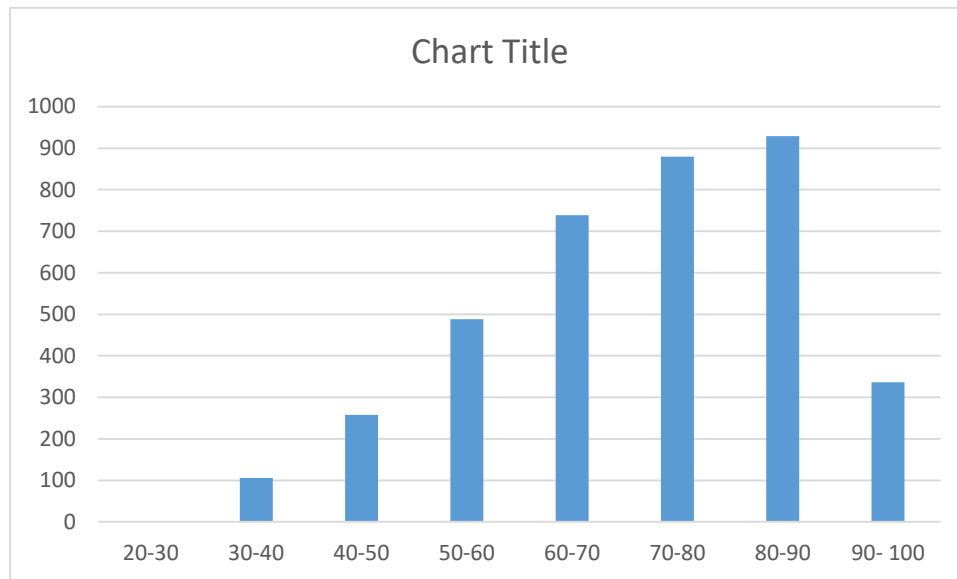
ABSENT STUDENTS FROM EACH PROVINCE

Province		Absent		Reletive Frequency
PUNJAB		66		3%
KPK		24		2%
BALOCHISTAN		4		4%
AJK		1		1%
SINDH URBAN		6		5%
SINDH RURAL		9		5%
GILGIT		2		4%
FEDERAL		3		7%

Chart Title

The percentage of absent students from each area shows how easy/difficult it is for the students of that area to get to an examination center. If this percentage is high for some area then the authorities can find out what the problem is and hopefully tacking that problem by having more examination centers near that area etc.

Number of students in	percentage range	
20-30	2	
30-40	106	
40-50	258	
50-60	488	
60-70	739	
70-80	880	
80-90	929	
90- 100	336	

Chart Title

There is a negative skew in this graph which shows that the test was not that difficult and students have higher chance of getting more that 80% marks.

Some more descriptive statistics:

MEAN MARKS	VARIENCE	STANDARD DEVIATION	SKEW
142.3566078	874.32851	29.56904648	-0.48335