Datathon 2019
Team: Initiable

Solution Target 5

Final Conclusion:

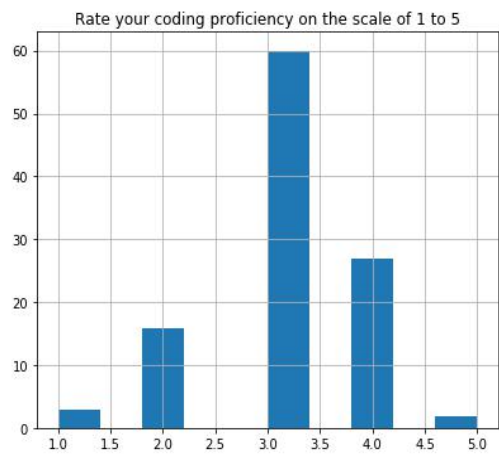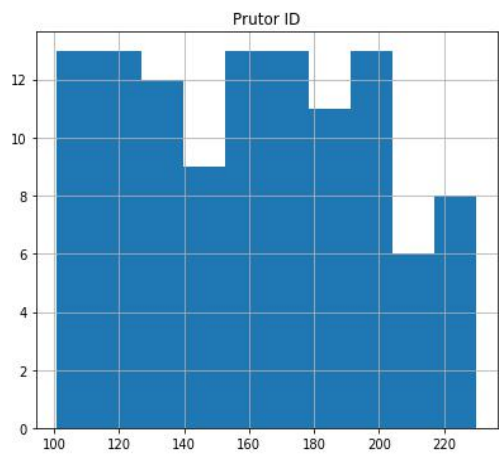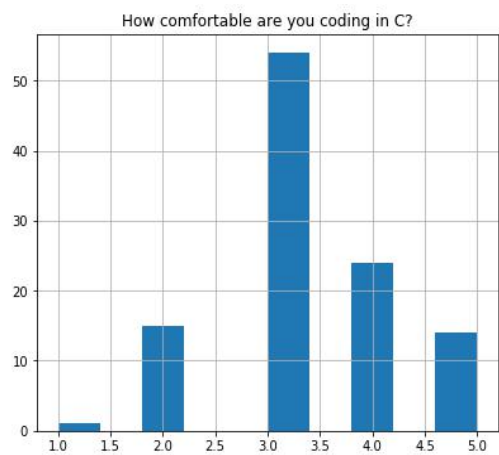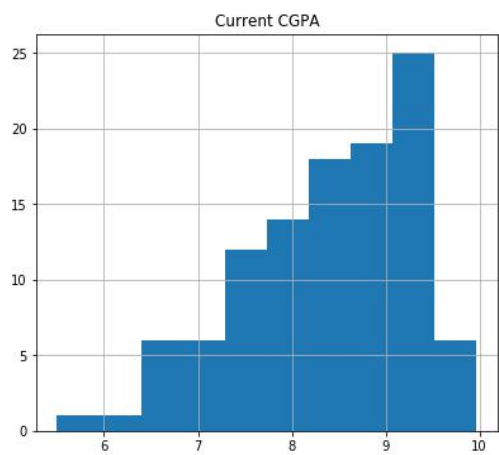Students of Mtech/MCA stated that they have average programming experience, good problem solving skills but scored less in the programming test than BTech students. Also, they had significantly less GPAs compared to BTech students who scored more in par with their GPAs. This might be because there is a high correlation between GPAs and Total Scores

Department	Years of coding experience	Prutor ID	Q1	Q2	Q3	Q4	Q5	Q6	TOTAL	Current CGPA	Rate your problem solving ability on the scale of 1 to 5	Rate your coding proficiency on the scale of 1 to 5	How comfortable are you coding in C?
B.Tech Civil / Mechanical	3-4 years	147.000000	10.000000	3.000000	18.000000	12.000000	5.000000	0.000000	48.000000	9.100000	4.000000	4.000000	3.000000
B.Tech Computer Science	1-2 years	153.000000	8.571429	14.714286	15.047619	8.380952	4.761905	6.285714	57.761905	8.809333	3.571429	3.523810	4.047619
	2-3 years	145.909091	10.909091	15.363636	16.909091	5.090909	2.727273	9.636364	60.636364	9.129091	3.454545	3.363636	3.909091
	3-4 years	153.500000	15.000000	20.000000	20.000000	13.000000	2.500000	20.000000	90.500000	8.510000	3.000000	3.000000	3.000000
	<1 year	150.250000	10.000000	5.750000	15.000000	3.500000	6.250000	9.000000	49.500000	8.990000	2.500000	2.500000	2.500000
	>4 years	139.750000	16.250000	13.000000	20.000000	6.500000	2.500000	9.000000	67.250000	9.207500	4.250000	4.250000	4.250000
B.Tech Electrical / Electronics	1-2 years	119.000000	0.000000	0.000000	14.000000	0.000000	0.000000	4.000000	18.000000	7.040000	3.000000	3.000000	4.000000
	2-3 years	155.000000	5.000000	10.000000	10.000000	0.000000	2.500000	3.000000	30.500000	8.925000	3.500000	3.000000	4.000000
M.Tech Computer Science / M.C.A	1-2 years	163.166667	2.083333	4.166667	7.833333	5.833333	2.500000	0.166667	22.583333	7.627500	3.000000	3.000000	2.583333
	2-3 years	168.909091	1.818182	3.454545	10.818182	9.909091	3.409091	0.090909	29.500000	8.114091	3.000000	2.863636	3.272727
	3-4 years	186.400000	1.000000	3.300000	8.800000	5.600000	4.000000	0.000000	22.700000	8.272000	2.400000	2.500000	3.000000
	<1 year	177.000000	0.000000	2.727273	10.727273	9.636364	3.636364	1.454545	28.181818	7.962727	2.545455	2.454545	2.454545
	>4 years	165.333333	1.666667	1.666667	7.666667	6.000000	2.500000	0.666667	20.166667	8.471667	3.500000	3.000000	3.000000
MCA	3-4 years	200.000000	0.000000	0.000000	7.000000	7.000000	0.000000	0.000000	14.000000	7.250000	3.500000	3.000000	3.000000
	<1 year	105.000000	0.000000	0.000000	0.000000	0.000000	5.000000	0.000000	5.000000	6.680000	3.000000	3.000000	3.000000

TOTAL vs CGPA
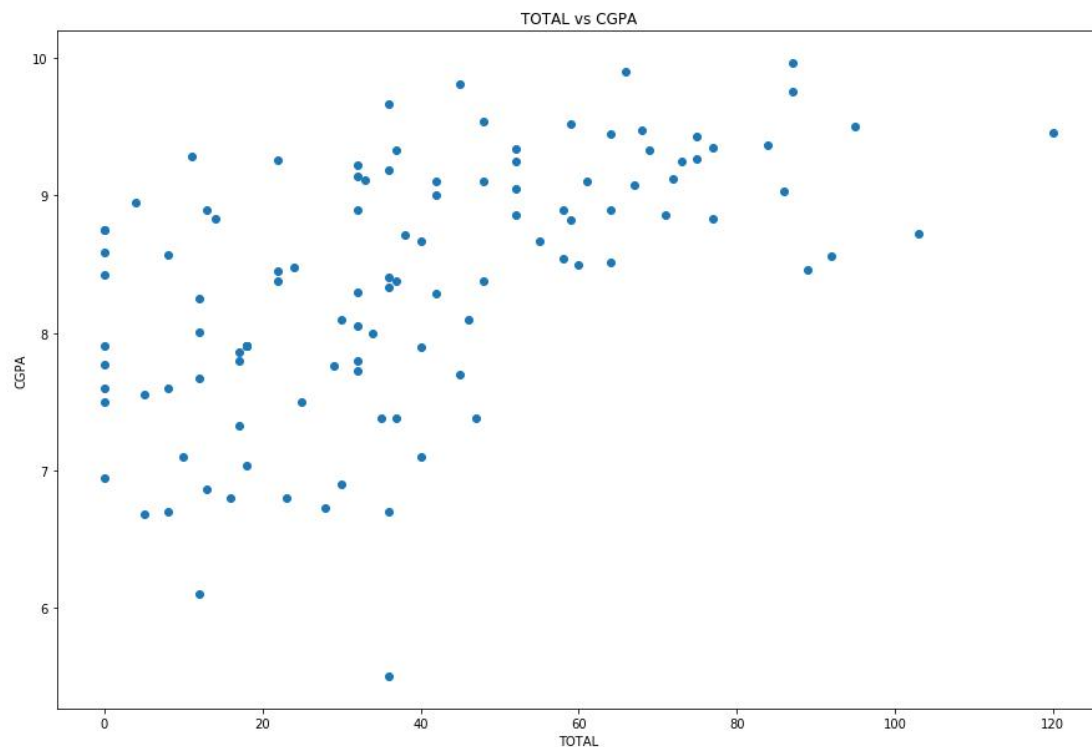
Distribution of all data
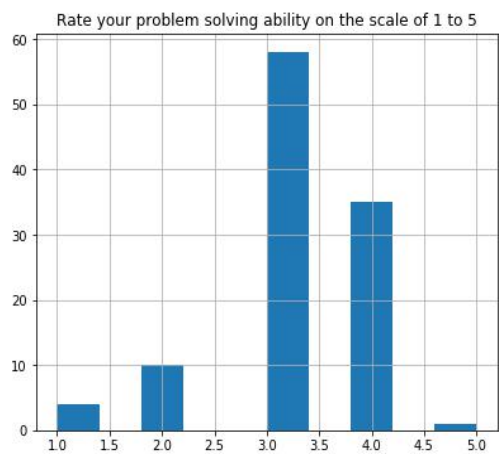
Years of experience vs Ratings and Proficiency

Years of Experience and Ratings, Proficiency

Legend:
- Rate your problem solving ability on the scale of 1 to 5
- Rate your coding proficiency on the scale of 1 to 5

X-axis: 1 year, 1-2 years, 2-3 years, 3-4 years, 4 years