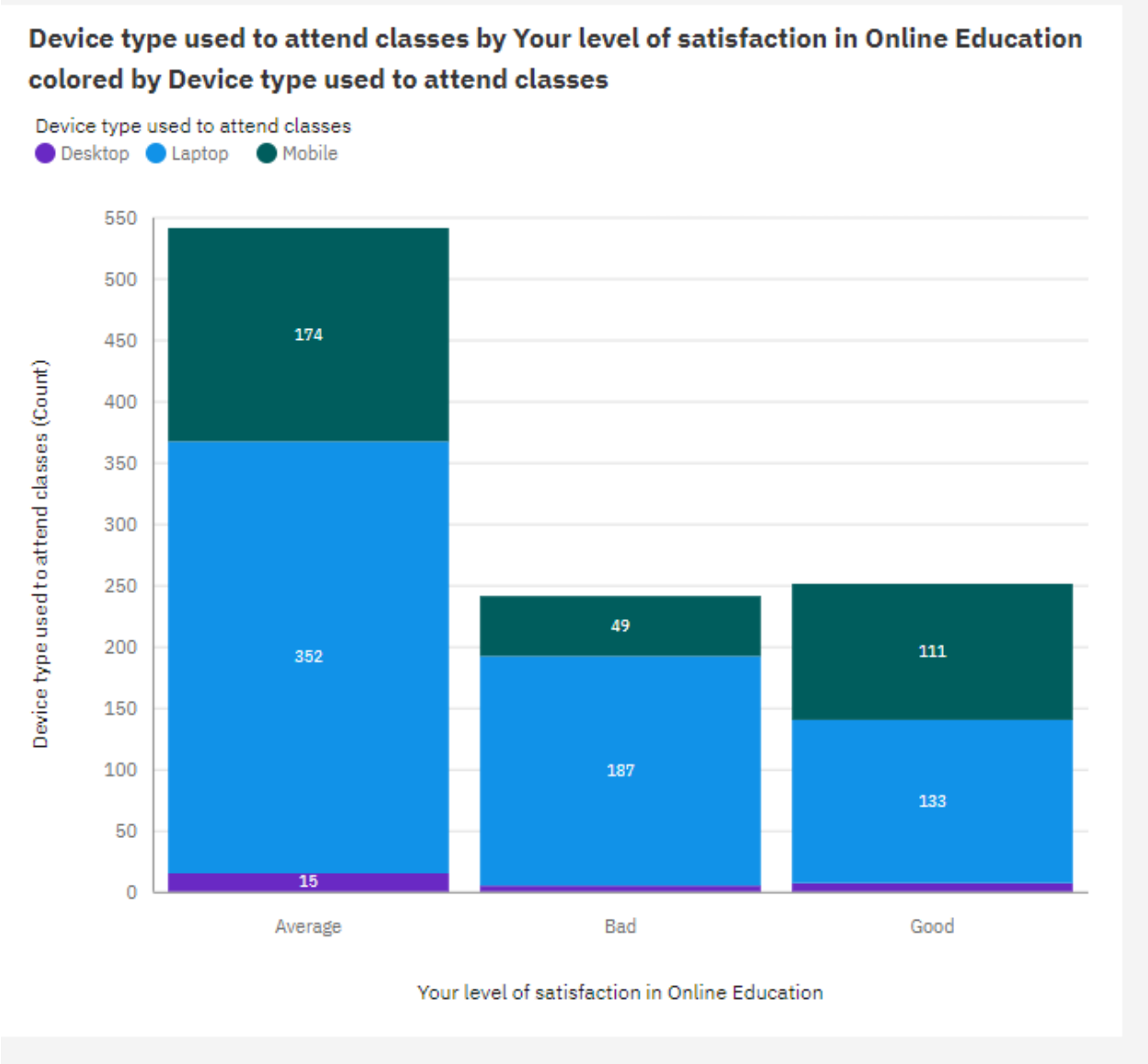
Data Analytics

Kajal

Overview

In this project, IBM Cognos Exploration played a pivotal role as it was harnessed to meticulously dissect a vast dataset encompassing student profiles, their pertinent details, and academic performance records. By harnessing the capabilities of this sophisticated analytics tool, the project sought to uncover crucial insights, unveil hidden patterns, and gain a comprehensive grasp of the variables influencing student achievements. The integration of data-driven revelations with educational strategies aimed to optimize the assessment of student performance, promising to facilitate more informed and effective decision-making processes in the educational domain.

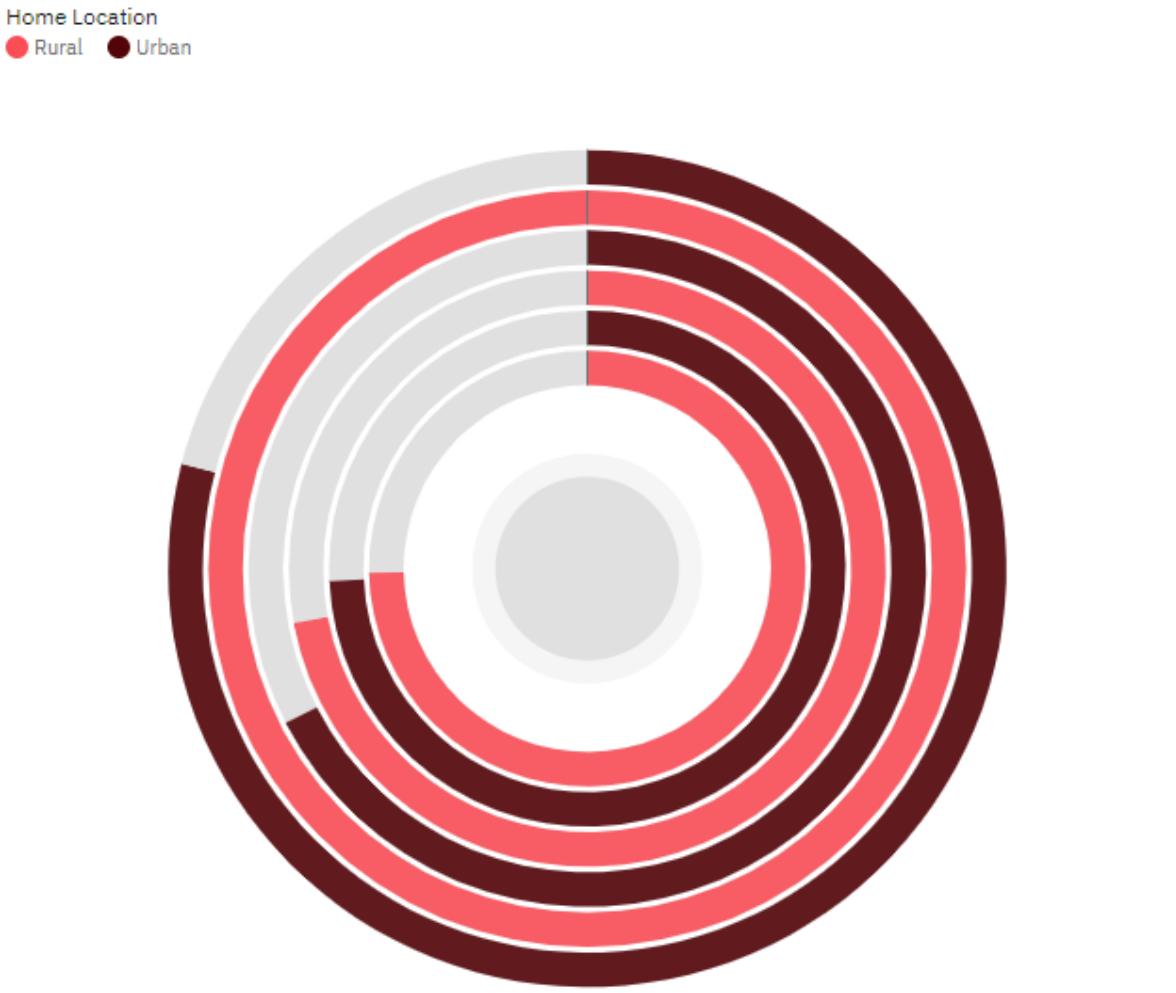
Explorations

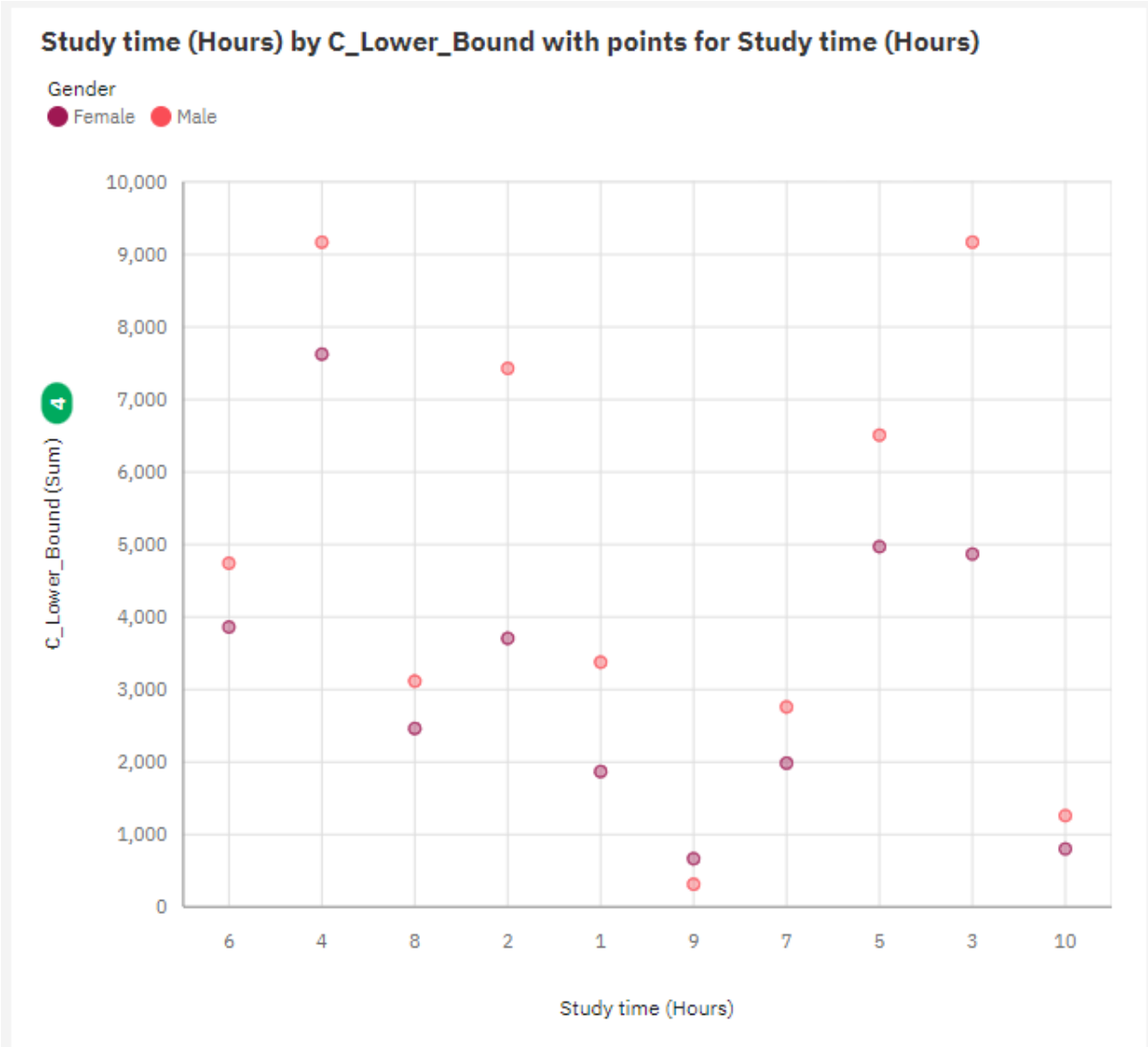


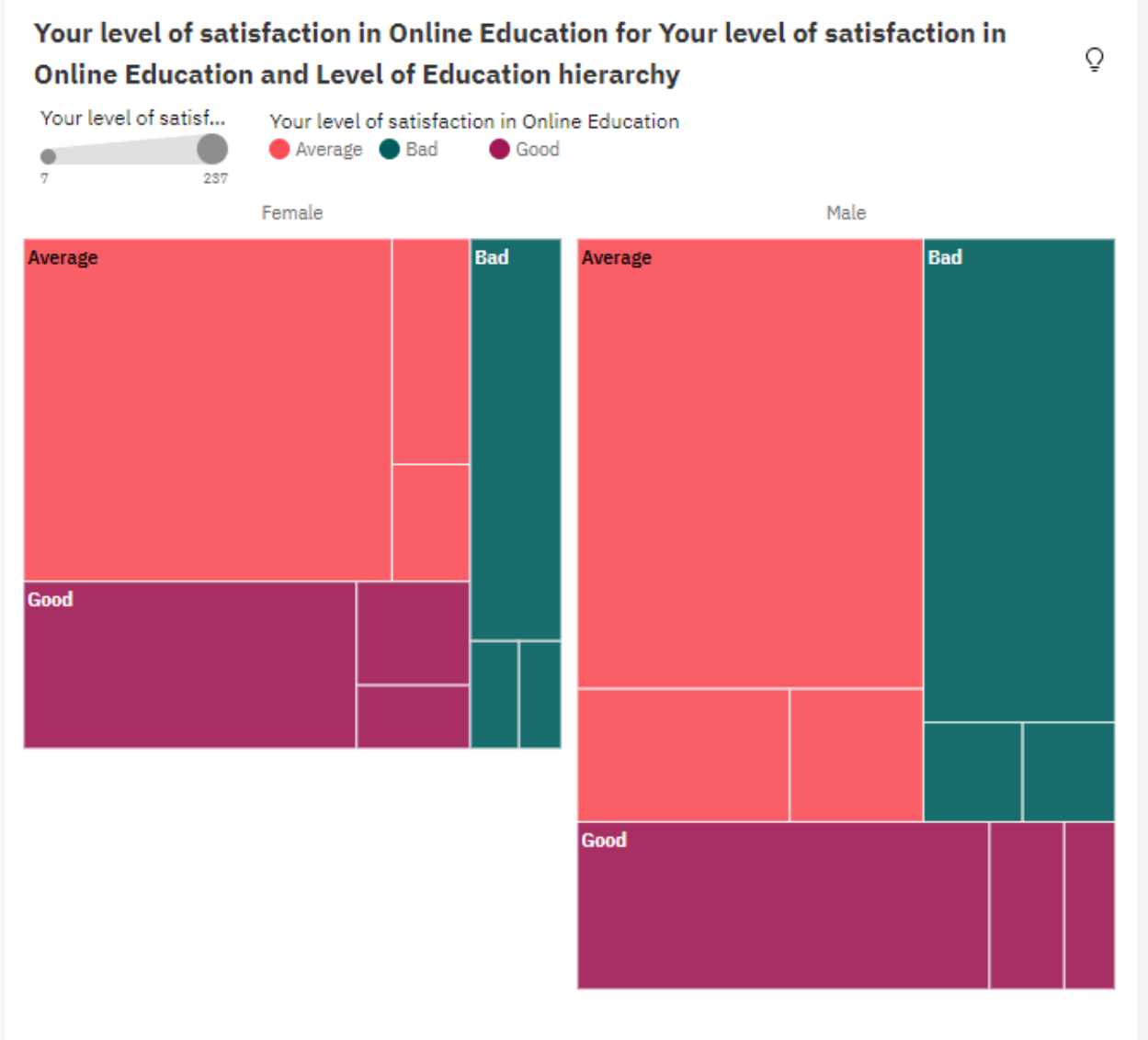
Device type used to attend classes for Device type used to attend classes, Gender and Economic status

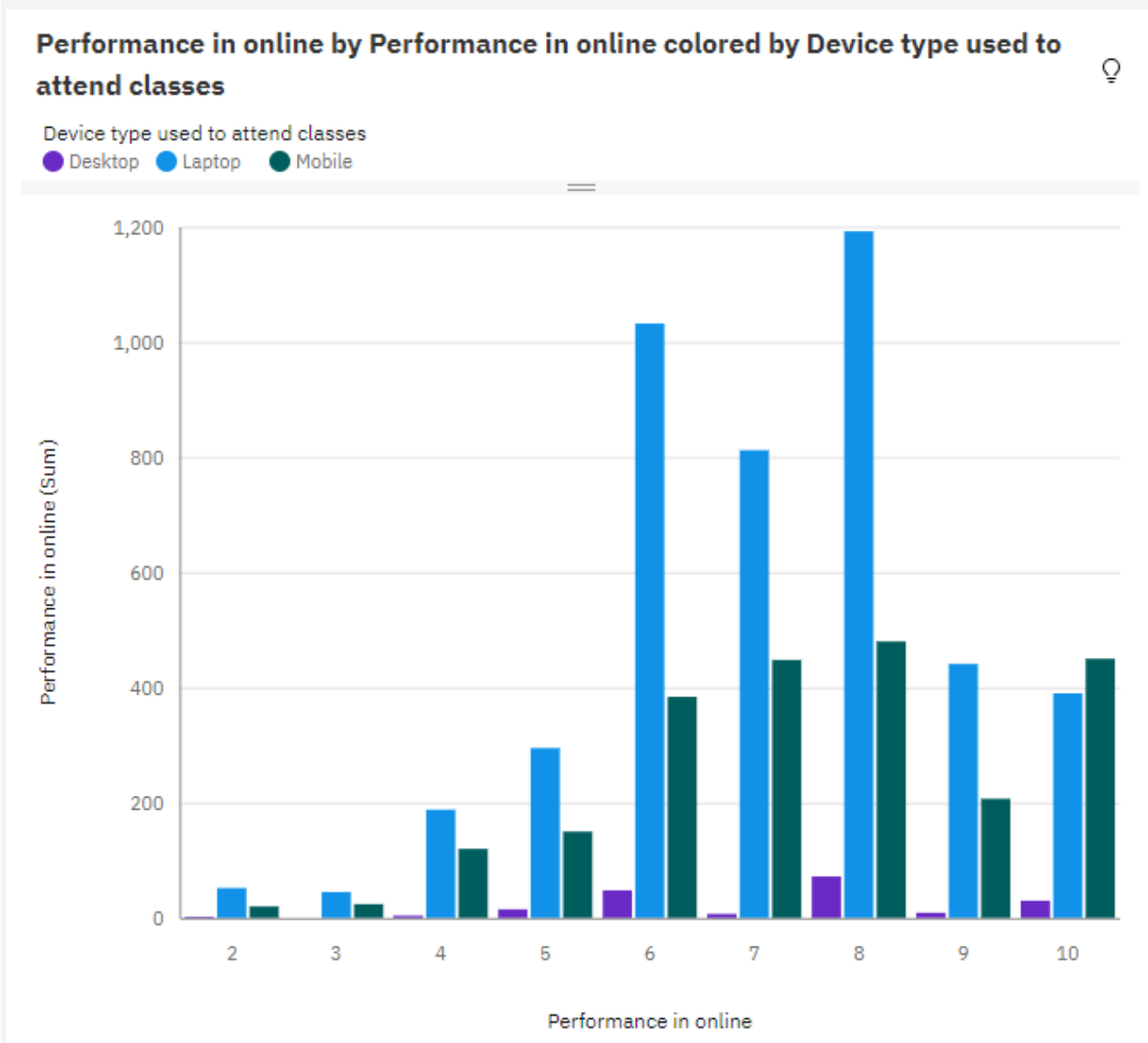
Device type used to attend cla...		Desktop	Laptop	Mobile	Summary
Female	Middle Class	7	249	129	385
	Poor	(no value)	4	16	20
	Rich	(no value)	13	1	14
	Summary	**7**	**266**	**146**	**419**
Male	Middle Class	20	377	172	569
	Poor	(no value)	14	15	29
	Rich	(no value)	15	1	16
	Summary	**20**	**406**	**188**	**614**
Summary		**27**	**672**	**334**	**1,033**

Performance in online by Economic status colored by Home Location

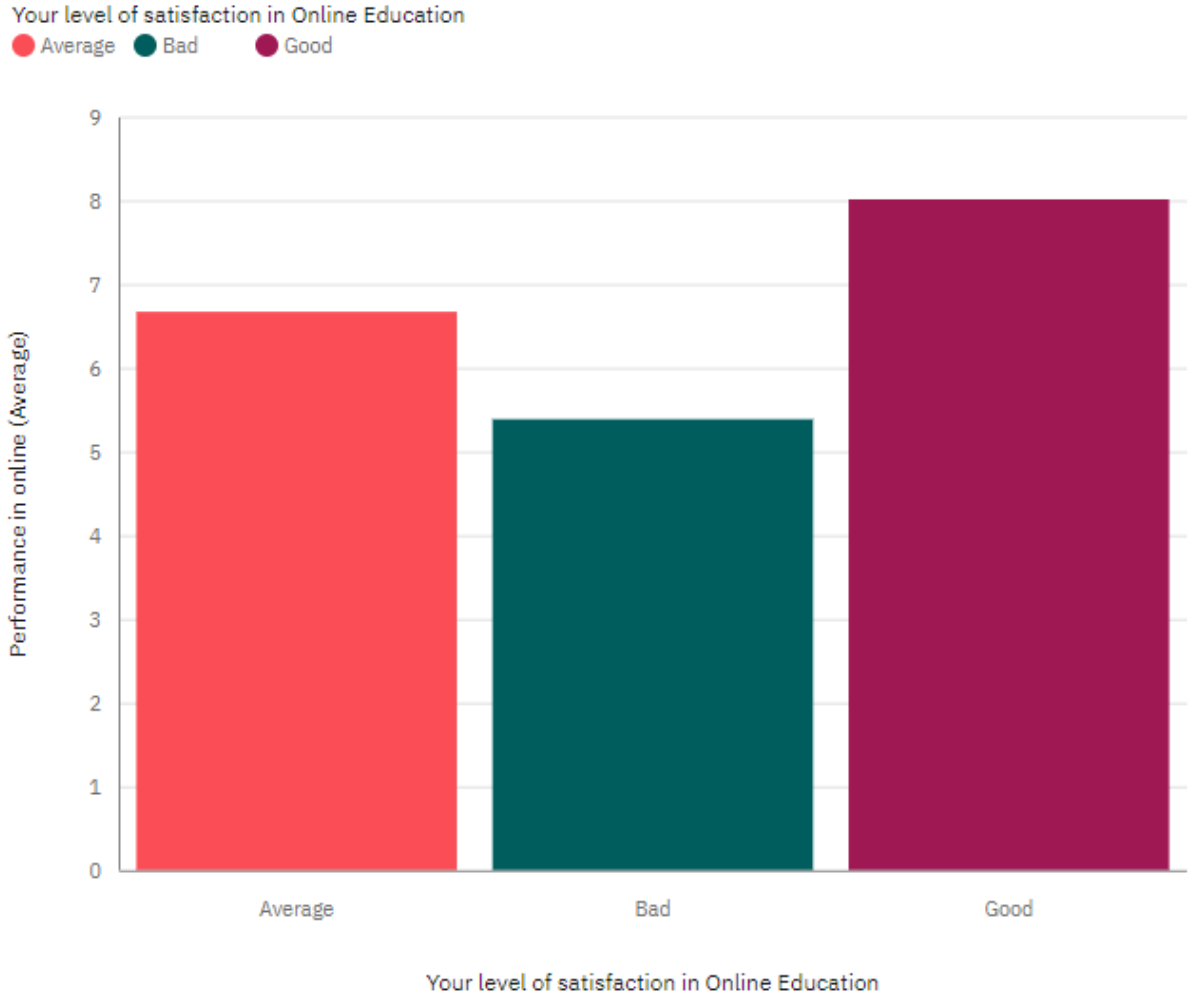


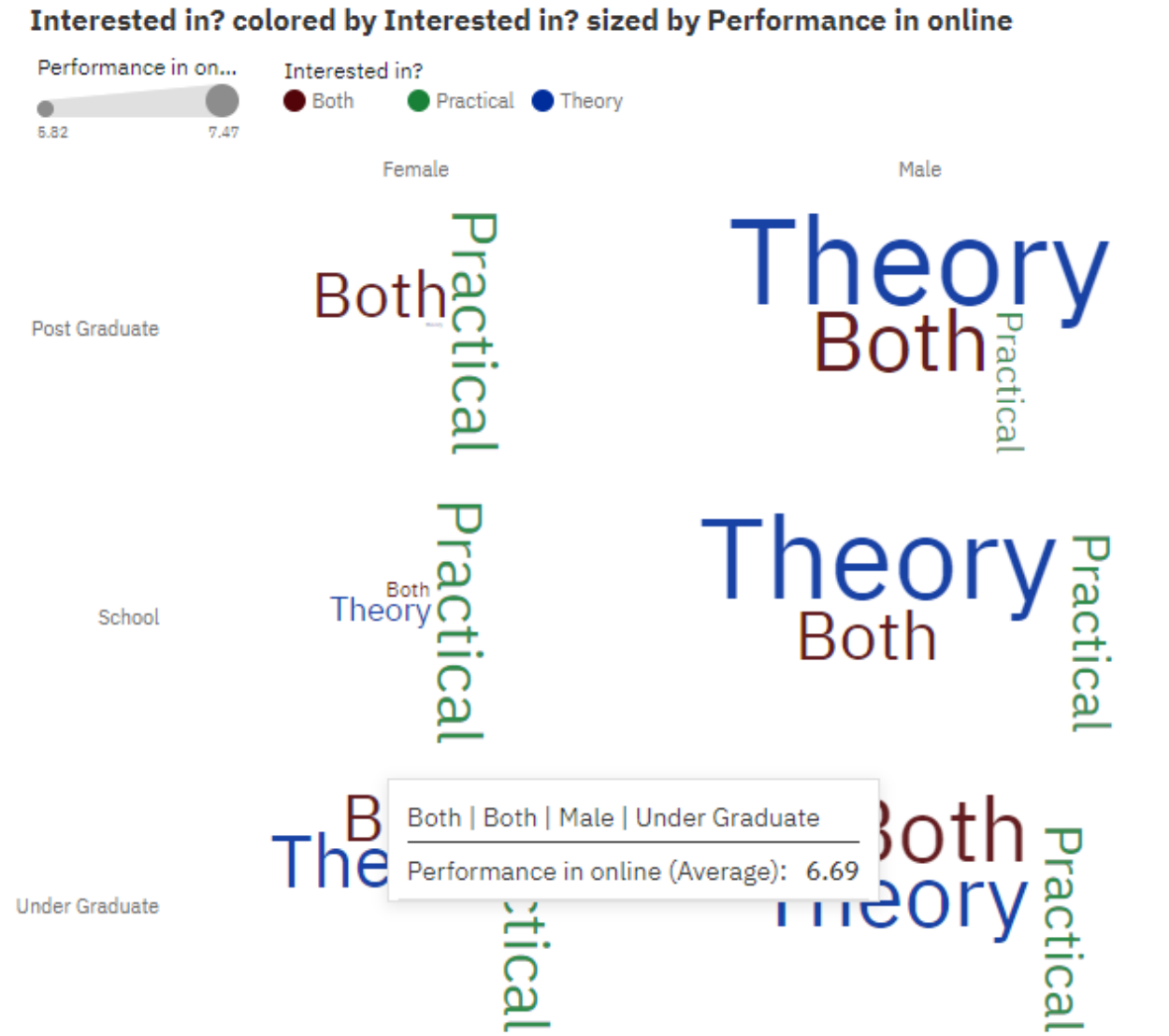

Study time (Hours) by C_Lower_Bound with points for Study time (Hours)
Gender
Female
Male
C_Lower_Bound (Sum)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
6
4
8
2
1
9
7
5
3
10
Study time (Hours)


Your level of satisfaction in Online Education for Your level of satisfaction in Online Education and Level of Education hierarchy
Your level of satisf...
7
237
Your level of satisfaction in Online Education
Average
Bad
Good
Female
Male
Average
Bad
Good
Average
Bad
Good


Performance in online by Performance in online colored by Device type used to attend classes
Device type used to attend classes
Desktop
Laptop
Mobile
1,200
1,000
800
600
400
200
0
Performance in online (Sum)
2
3
4
5
6
7
8
9
10
Performance in online

Performance in online by Your level of satisfaction in Online Education colored by Your level of satisfaction in Online Education




Interested in? colored by Interested in? sized by Performance in online
Performance in on...
6.82
7.47
Interested in?
Both
Practical
Theory
Female
Male
Post Graduate
School
Under Graduate
Both | Both | Male | Under Graduate
Performance in online (Average): 6.69