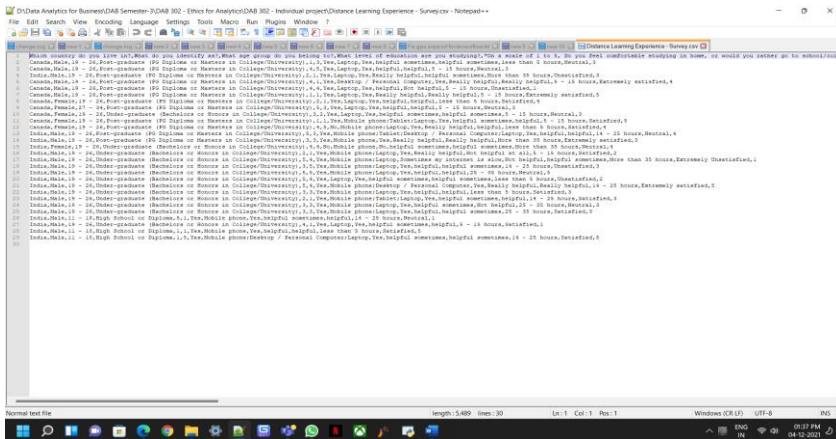


DAB 302 – Ethics for Analytics

Distance Learning Experience Survey Analysis

Karthick Raja Radhakrishnan (0769173)

Original survey responses saved as a CSV (from google forms):



Collected 28 responses for the survey from Indian and Canadian students.

Data Cleaning in Tableau:

- Cleaned some values of some columns (formats to present).
- Changed column names from questions.
- Column remain same as the questions as there was no need for any more need to summarize data than the data, we already collected using the survey.

Tableau - Distance Learning Experience - Survey - 0769173

FileDataServerWindowHelp

Distance Learning Experience - Survey

ConnectionsAdd

Dist...rvey
Text file

Files

Sort fieldsData source order

Need more data?
Drag tables here to relate them. Learn more

Connection
☒ Live☐ Extract

Filters
0Add

☐ Use Data Interpreter
Data Interpreter might be able to clean this data.

Dist...csv

☒ Show aliases☐ Show hidden fields28rows

☒ New Union

Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - Survey	Distance Learning Experience - 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Tableau - Distance Learning Experience - 0769173

File Data Server Window Help

Distance Learning Experience - Survey

Connections: Distance... - Survey

Files: Distance...rvey.csv

Need more data? Drag tables here to relate them. Learn more

Sort fields: Data source order

Show aliases Show hidden fields 28 rows

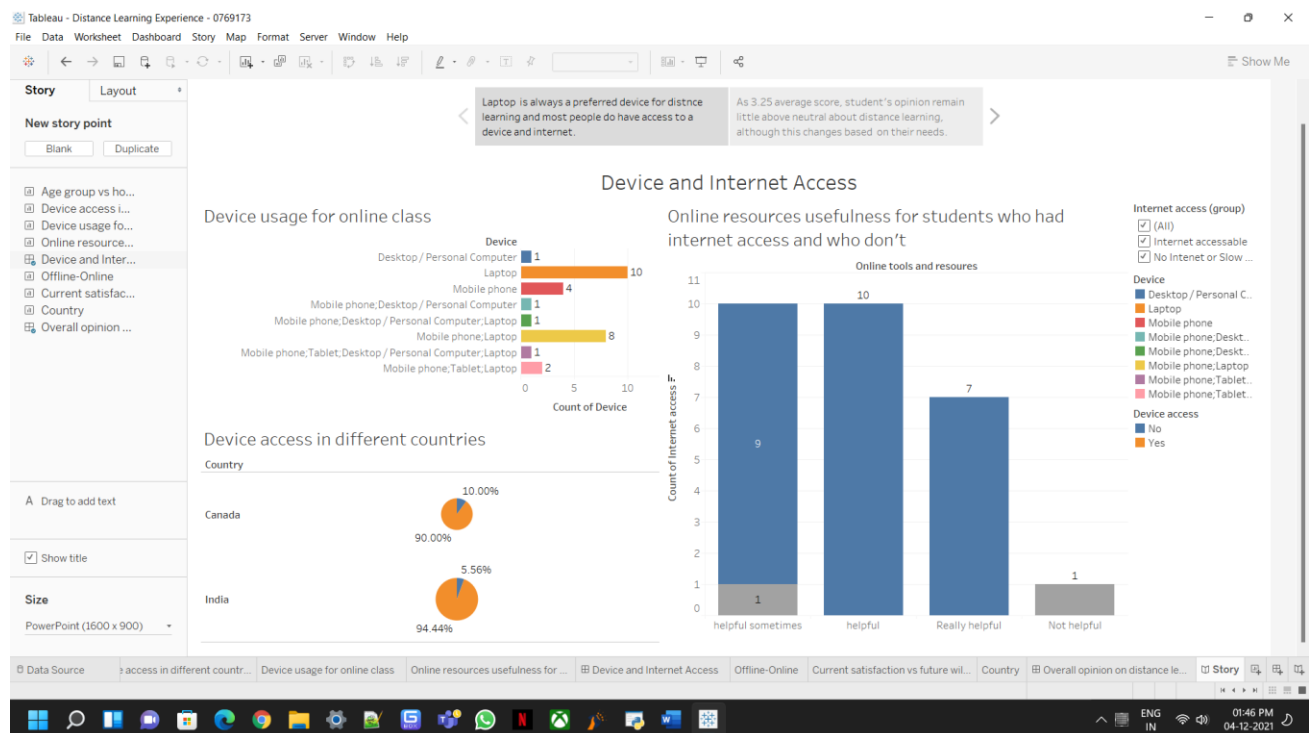
Learning Exp...	Device access	Device	Internet access	Online tools a...	Instructor's online session	Avg. Time spe...	Satisfaction	Future offline or online - scale	Internet access (...)
3	Yes	Laptop	Yes	helpful sometimes	helpful sometimes	less than 5 hours	Neutral		3 Internet accessible
5	Yes	Laptop	Yes	helpful	helpful	5 - 15 hours	Neutral		3 Internet accessible
1	Yes	Laptop	Yes	Really helpful	helpful sometimes	More than 35 ho...	Unsatisfied		3 Internet accessible
1	Yes	Desktop / Person...	Yes	Really helpful	Really helpful	5 - 15 hours	Extremely satisfi...		4 Internet accessible
4	Yes	Laptop	Yes	helpful	Not helpful	5 - 15 hours	Unsatisfied		1 Internet accessible
1	Yes	Laptop	Yes	Really helpful	Really helpful	5 - 15 hours	Extremely satisfi...		5 Internet accessible
1	Yes	Laptop	Yes	helpful	helpful	less than 5 hours	Satisfied		4 Internet accessible
3	Yes	Laptop	Yes	helpful	helpful	5 - 15 hours	Neutral		3 Internet accessible
2	Yes	Laptop	Yes	helpful sometimes	helpful sometimes	5 - 15 hours	Neutral		3 Internet accessible
1	Yes	Mobile phone,La...	Yes	helpful sometimes	helpful	5 - 15 hours	Satisfied		5 Internet accessible
5	No	Mobile phone,La...	Yes	Really helpful	helpful	less than 5 hours	Satisfied		4 Internet accessible
3	Yes	Mobile phone,Ta...	Yes	helpful	helpful	14 - 25 hours	Neutral		4 Internet accessible
3	Yes	Mobile phone	Yes	Really helpful	Really helpful	More than 35 ho...	Extremely satisfi...		3 Internet accessible
4	No	Mobile phone	No	helpful sometimes	helpful sometimes	More than 35 ho...	Neutral		4 No Internet or Slow I...
1	Yes	Mobile phone,La...	Yes	Really helpful	Not helpful at all	5 - 15 hours	Satisfied		2 Internet accessible

Data Source: Age group vs home or school an... Device access in different countr... Device usage for online class Online resources usefulness for ... Device and Internet Access Offline-Online Current satisfaction vs future wil... Country

After cleaning our dataset contains 28 records with 14 columns.

Analysis in Tableau:

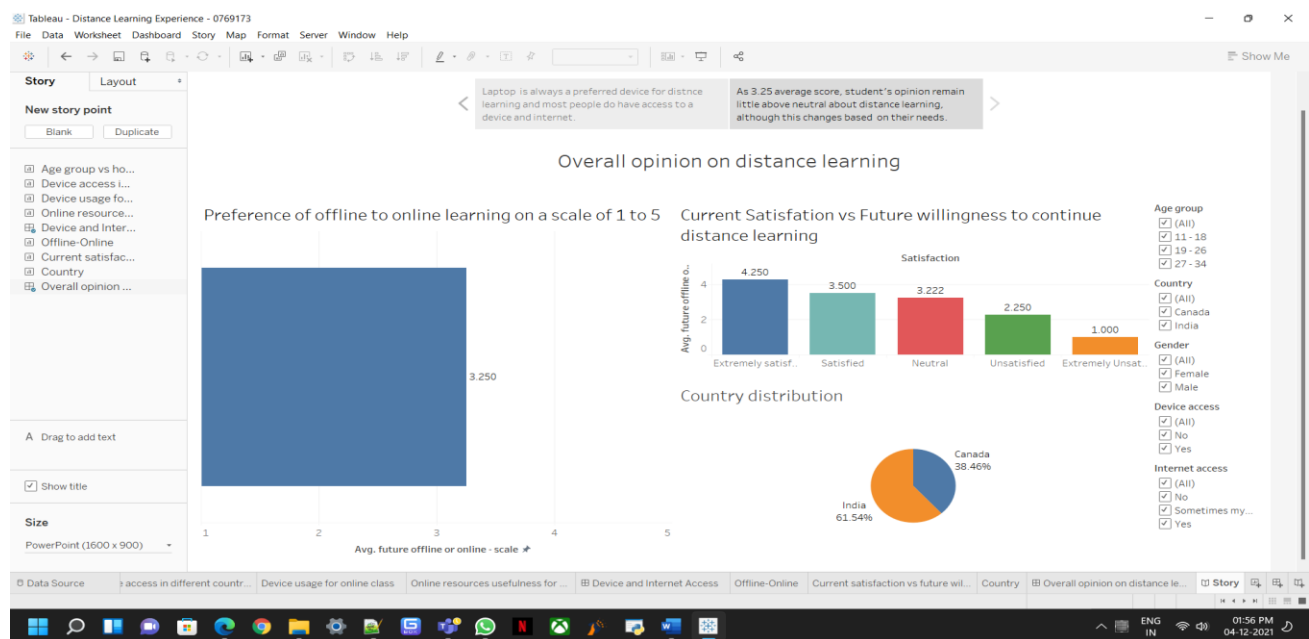
Device and Internet Access



- Laptop is the preferred device for distance learning among students followed by Mobile-Laptop combo usage, on the other hand, few students prefer desktop.

- We have students responded from India and Canada and almost most of them have access to a device.
- Most students feel online resources and tools available are helpful or helpful sometimes while only one respondent felt not helpful.
- The one respondent who felt it is not helpful had no internet access as well, which make sense; What's interesting is that another respondent who said they didn't have/had internet access felt online resources helpful sometimes.

Overall opinion on distance learning:



- As 3.25 average score, student's opinion remains little above neutral about distance learning, although their mindset changes based on their needs.
- We can see that most students, who felt satisfied with the current online learning during the pandemic period are preferring to continue online learning in future and unsatisfied students don't.
- We can see 61.5% responded from India and 38.5% responded from Canada, which lead to the analysis of this survey.

Conclusion:

All ethical principles are thought through, and any information related to personally identifiable information has not been collected as in even I, who has a control on the data does not know who responded to the survey and who gave what response. Even then, the clarity of the research and informed consent has been asked to the respondents before starting the survey.

Link to the survey: [Distance Learning Experience - Survey](#)