Exploratory Data Analysis for Learning Analytics

Newcastle University - CSC8631 Summative Assignment

December 2020
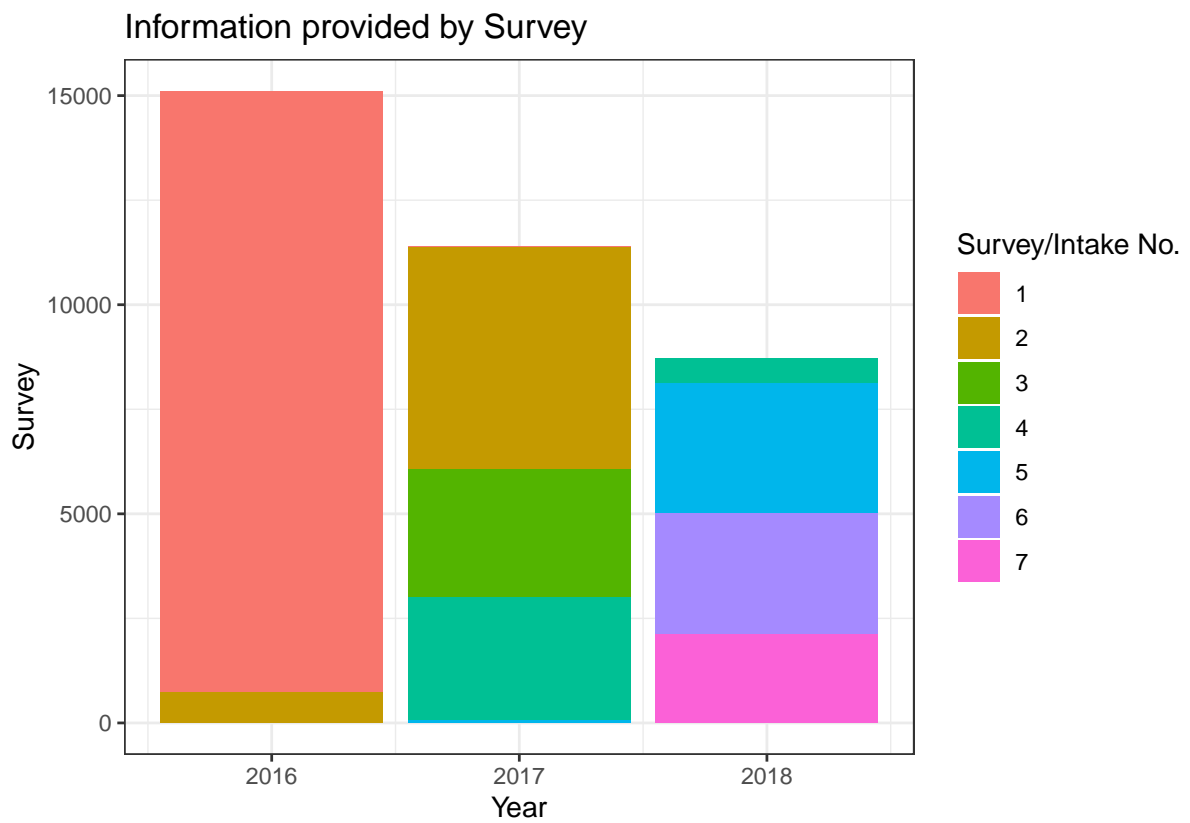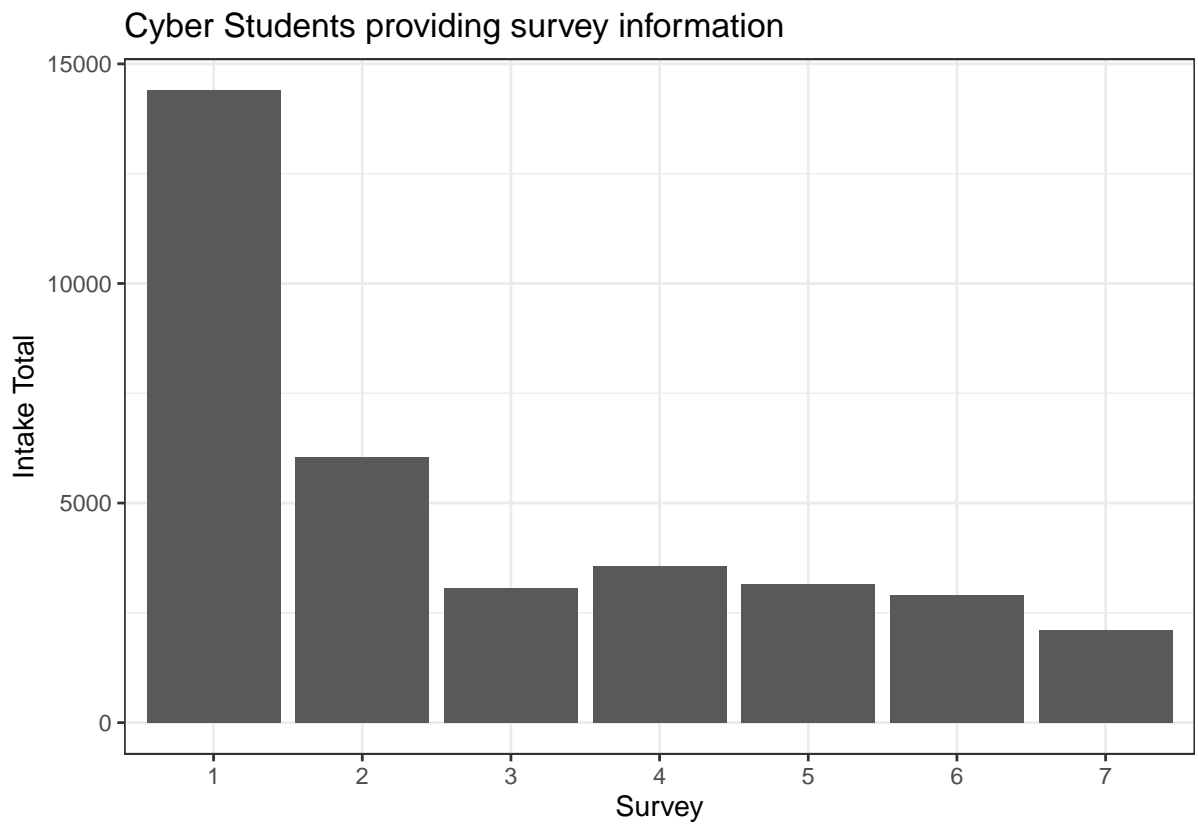
Summary

words

Enrolment analysis

Data was provided by Learning Analytics regarding an online training course, entitled Cyber Security: Safety at Home, Online, in Life. This report summarises finding relating to the survey that student completed at enrollment and specifically reviews the amount of personal data that they are, and are not, willing to provide. The students enrolling on the course over the seven surveys.

The seven courses were run over a period of two years, with intakes starting in September 2016, March 2017, September 2017, November 2017, February 2018, June 2018 and September 2018.

Cyber Students providing survey information

Information provided by Survey

Data and assumptions

Working assumptions:

- Duplicated learner_id records were exact copies of the same survey response. In total 2071 non-unique learner_id records were removed from the dataset prior to analysis. It was expected that the learner_id being 36 characters in length was expected to be unique and represent a single student. Example, 233b9253-e8e6-4734-8a7f-cb2c7845c85a.

```
##
##            2    3    4    5    6    7
##    2016   99    0    0    0    0    0
##    2017  340  308  385   58    0    1
##    2018    0    0   49  339  267  225
```

Assumptions

Assumption	Value
Discount rate	#r paste(100*disc, "% p.a.", sep="")
…	…
…	…

Data summary

I look forward to discussing this report with you.

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Notes

Eum et tamquam patrioque, has an meliore imperdiet, audiam docendi delicata his ad. Ad solet perfecto vituperata his, ignota appetere mea ad. Id mea mazim consequat, in mei dignissim cotidieque, sed eloquentiam definitiones no. Persius democritum ne mea, duo an mutat blandit deterruisset. Assum deterruisset an vix.

Ius omnium argumentum ea, has an nibh eius, ei mel dicta choro singulis. Mel no iriure sententiae, dolorem menandri patrioque in eum, saepe singulis atomorum vim id. Vim te epicurei reformidans, eum at posidonium complectitur. Lucilius legendos sit ei. Duo ut denique epicurei vituperatoribus.