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★ Course / Week 2: Overview of Learning Analytics / Homework

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Exploring Educational Datasets

Learning Objectives:

- 1. Identify a dataset file format and use the appropriate function to load it
- 2. Explore fundamental properties of a dataset using basic functions in R
- 3. Compute and visualize relationships between variables using correlations, histograms, boxplots, and scatterplots
- 4. Calculate and visualize student- and question-level quantities and relationships

Starter Code & Dataset

Homework starter code: <u>info4100.hw.explore.Rmd</u> All instructions are in this file, open it with RStudio.

Dataset: info4100.data.assisstments.rds

Submission

Submit your 'knitted' report as a Word document (.doc or .docx) on the next page before it is due.

The system won't accept late submissions. You can make ONLY ONE submission, there is NO WAY to update your submission.

Solutions will be posted shortly after the due date.

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