College Reviews Analysis

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Problem Overview

1. Reviews are commonly uncategorized, but people could be interested in different aspects of the same thing.

2. In case of university one can be most concern about social life, another one about student support or quality of lectures and so on..

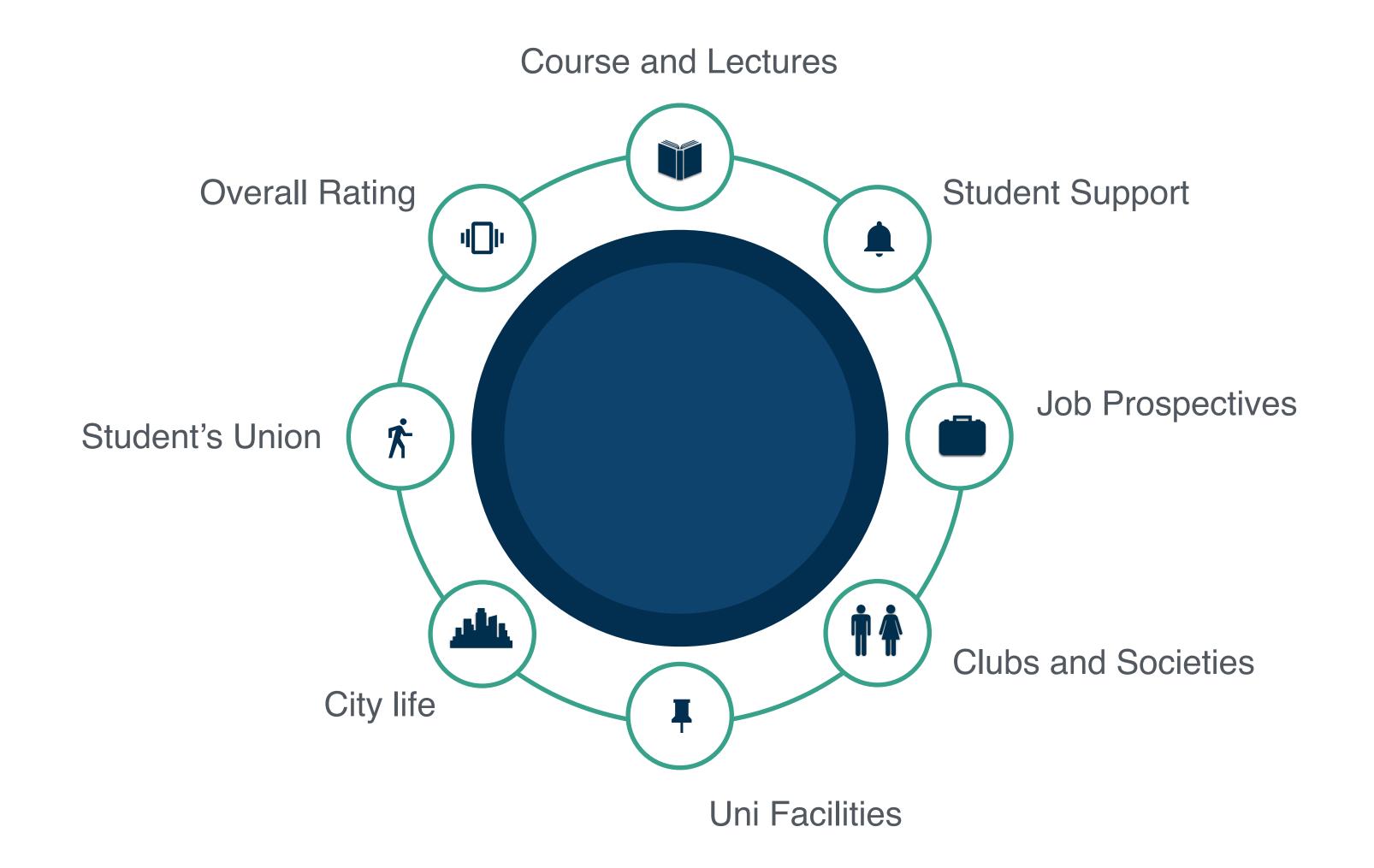
3. University rating can deteriorate based on category

4. The goal of this project is to structure different reviews and provide users with categorised rating for each university

Data

Scrapped from: www.whatuni.com

Database: MongoDB



Text preprocessing steps

Converting all letters to Lower case

4 Removing stop words

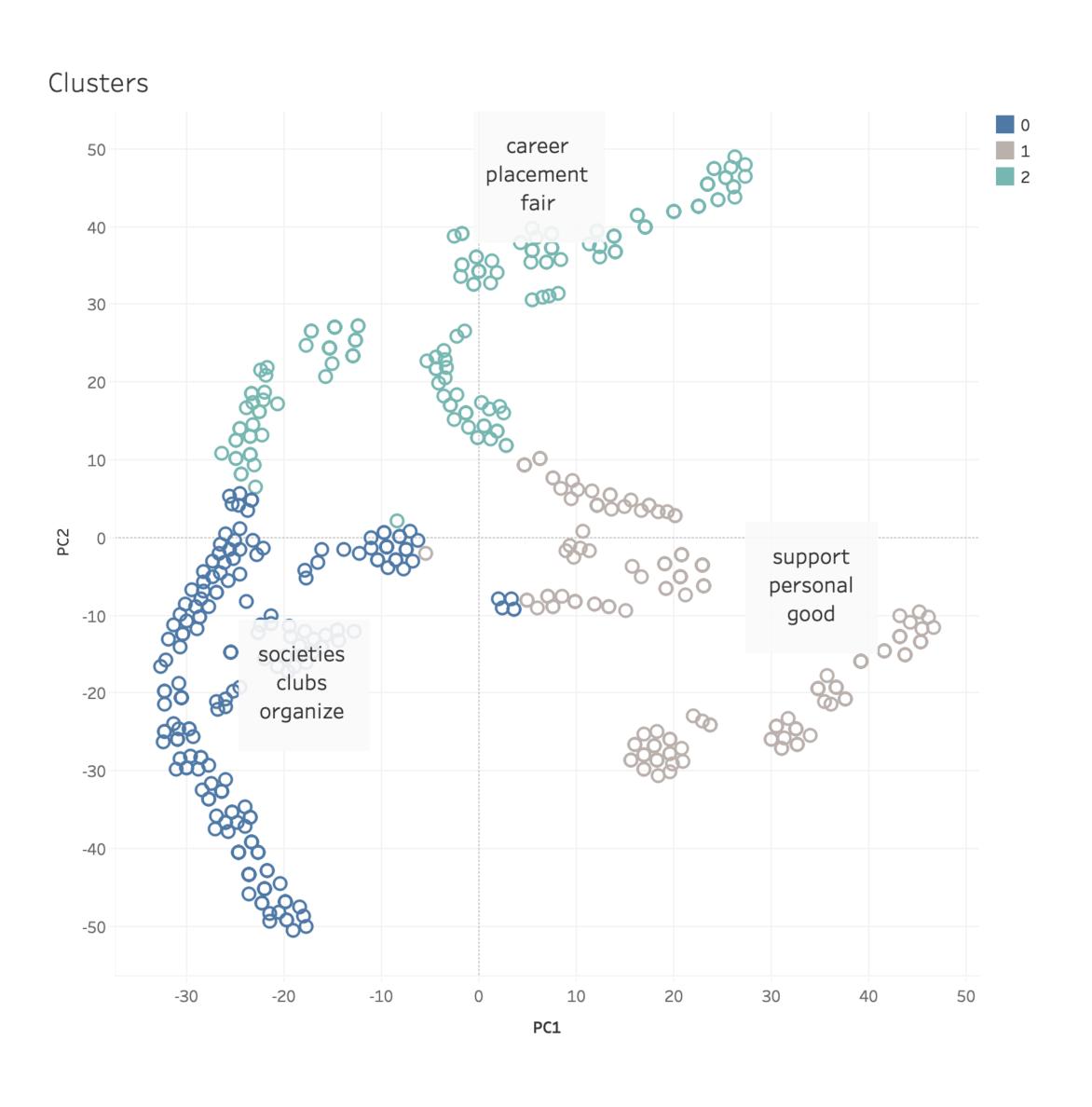
2 Removing numbers

5 Lemmatization

Tokenisation, removing punctuations

6 Filtering

Latent Dirichlet Allocation



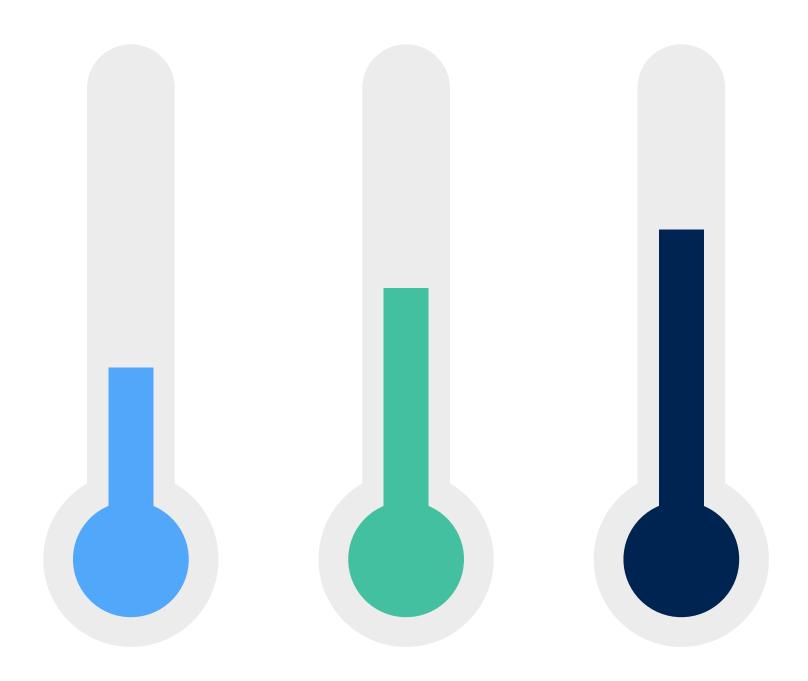
Sentiment Analysis

1 step

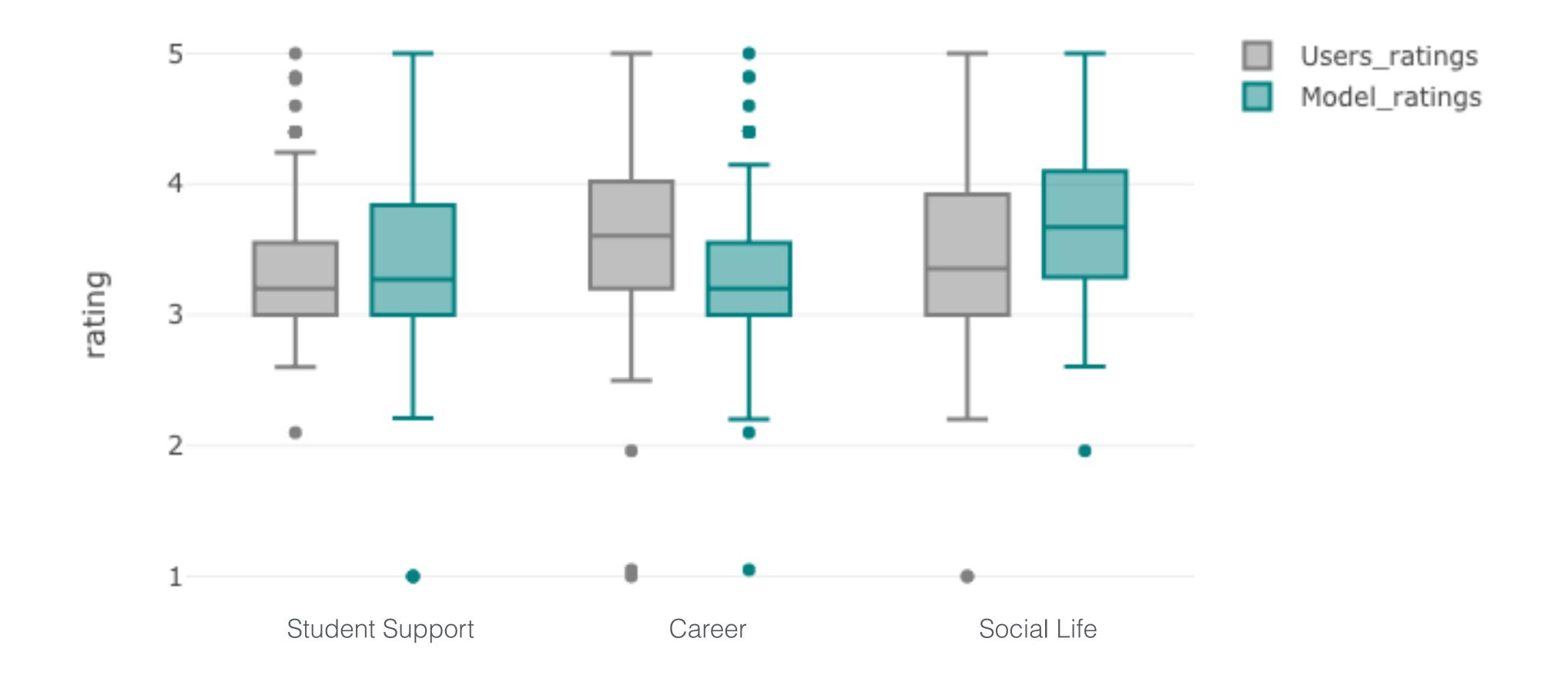
Instrument: polarity from TextBlob

2 step

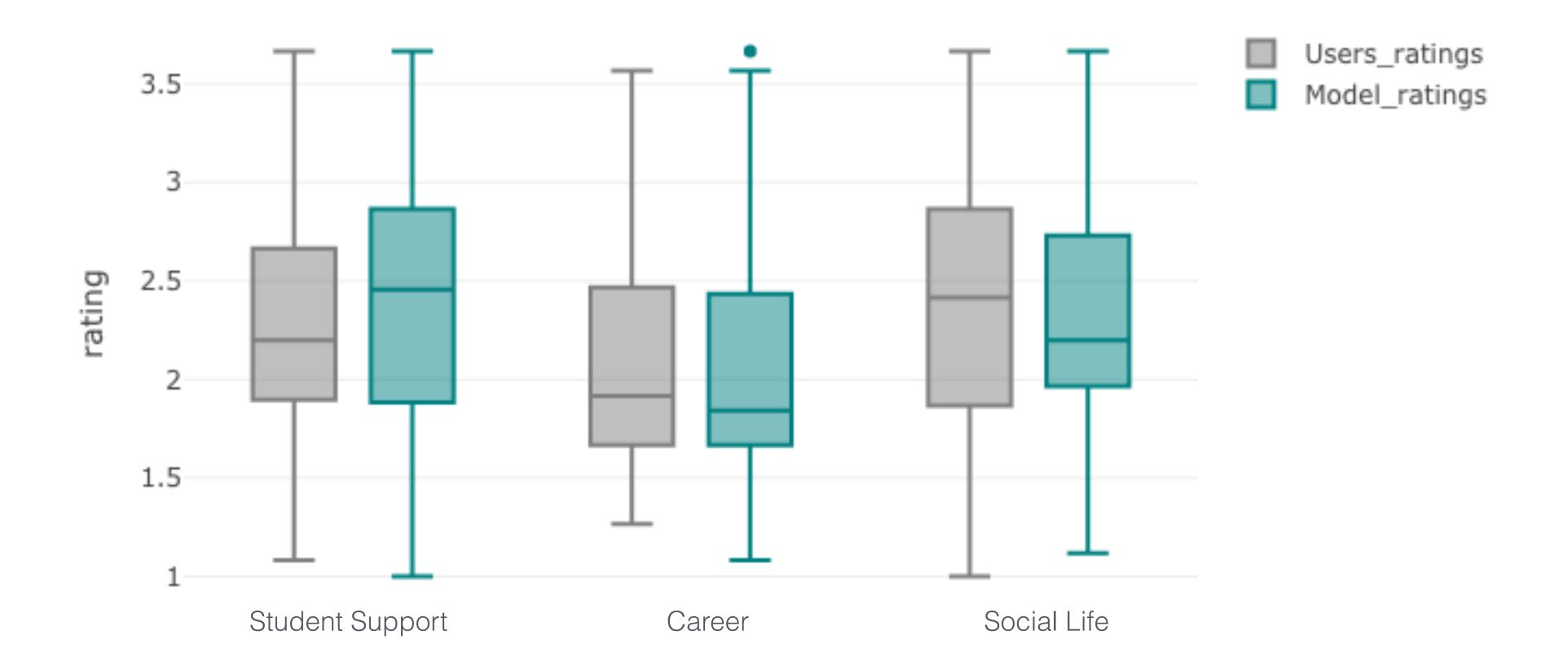
Mapping values to standard rating scale from 1 to 5 stars



Result comparison

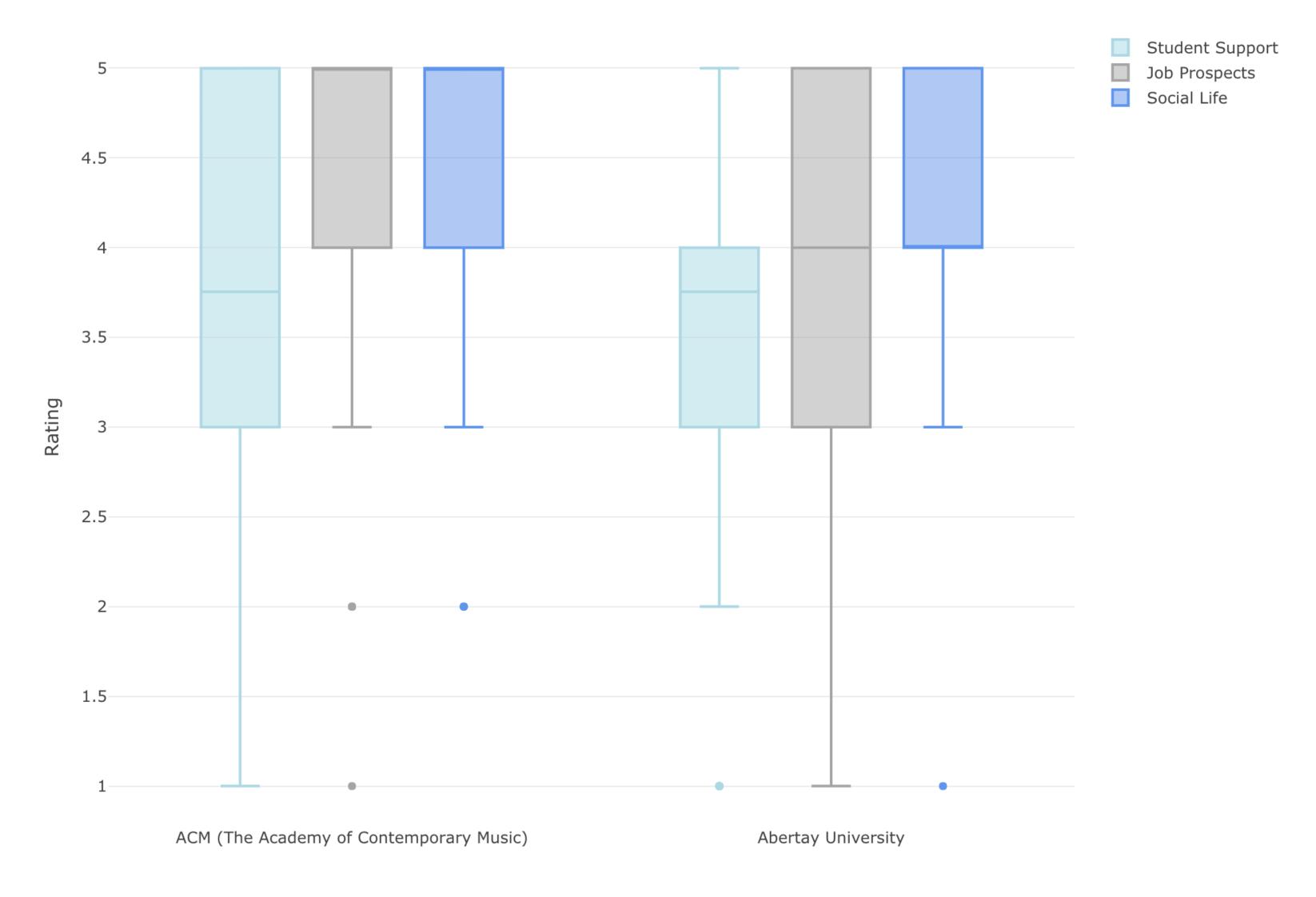


Result comparison



Check out the app

Link: http://18.191.158.75:5000/





Thank you

Questions?