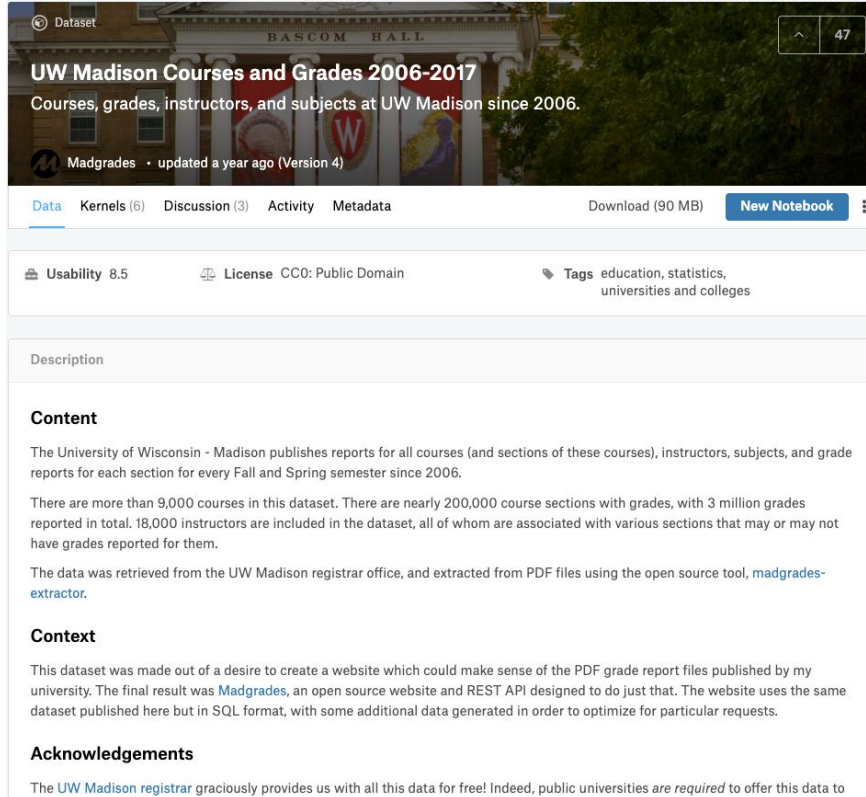


Student Success @ UW Madison



Presented by:
Aaron Chen
Allison Honold

Data Source



The screenshot shows the Kaggle dataset page for 'UW Madison Courses and Grades 2006-2017'. The header features a banner image of Bascom Hall with the text 'UW Madison Courses and Grades 2006-2017' and 'Courses, grades, instructors, and subjects at UW Madison since 2006.' Below the banner, there are tabs for 'Data', 'Kernels (6)', 'Discussion (3)', 'Activity', and 'Metadata'. A 'Download (90 MB)' button and a 'New Notebook' button are also visible. The 'Usability' is 8.5, the 'License' is CC0: Public Domain, and the 'Tags' are education, statistics, universities and colleges. The 'Description' section includes a 'Content' subsection with three paragraphs: 'The University of Wisconsin - Madison publishes reports for all courses (and sections of these courses), instructors, subjects, and grade reports for each section for every Fall and Spring semester since 2006.', 'There are more than 9,000 courses in this dataset. There are nearly 200,000 course sections with grades, with 3 million grades reported in total. 18,000 instructors are included in the dataset, all of whom are associated with various sections that may or may not have grades reported for them.', and 'The data was retrieved from the UW Madison registrar office, and extracted from PDF files using the open source tool, madgrades-extractor.' The 'Context' subsection states: 'This dataset was made out of a desire to create a website which could make sense of the PDF grade report files published by my university. The final result was Madgrades, an open source website and REST API designed to do just that. The website uses the same dataset published here but in SQL format, with some additional data generated in order to optimize for particular requests.' The 'Acknowledgements' subsection states: 'The UW Madison registrar graciously provides us with all this data for free! Indeed, public universities are required to offer this data to'.

Dataset

UW Madison Courses and Grades 2006-2017
Courses, grades, instructors, and subjects at UW Madison since 2006.

Madgrades • updated a year ago (Version 4)

Data Kernels (6) Discussion (3) Activity Metadata Download (90 MB) New Notebook

Usability 8.5 License CC0: Public Domain Tags education, statistics, universities and colleges

Description

Content

The University of Wisconsin - Madison publishes reports for all courses (and sections of these courses), instructors, subjects, and grade reports for each section for every Fall and Spring semester since 2006.

There are more than 9,000 courses in this dataset. There are nearly 200,000 course sections with grades, with 3 million grades reported in total. 18,000 instructors are included in the dataset, all of whom are associated with various sections that may or may not have grades reported for them.

The data was retrieved from the UW Madison registrar office, and extracted from PDF files using the open source tool, [madgrades-extractor](#).

Context

This dataset was made out of a desire to create a website which could make sense of the PDF grade report files published by my university. The final result was [Madgrades](#), an open source website and REST API designed to do just that. The website uses the same dataset published here but in SQL format, with some additional data generated in order to optimize for particular requests.

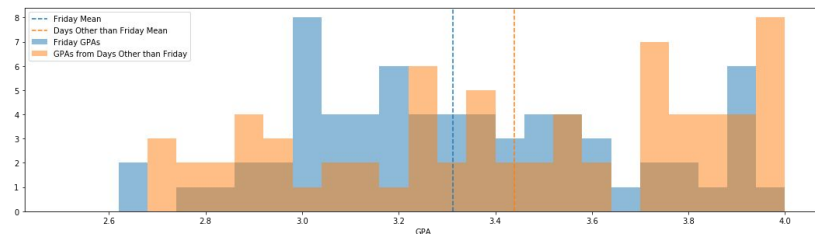
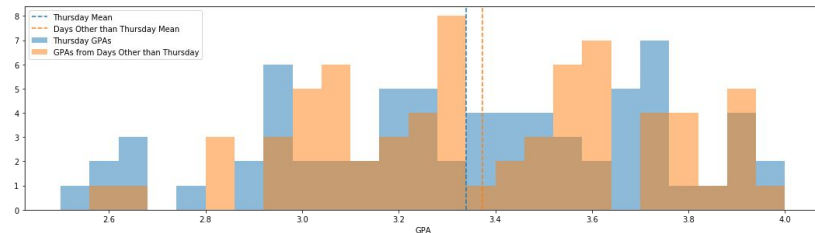
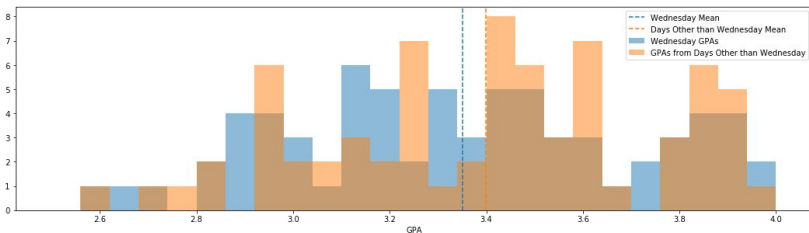
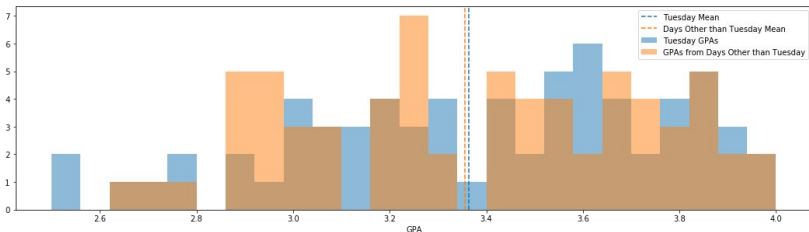
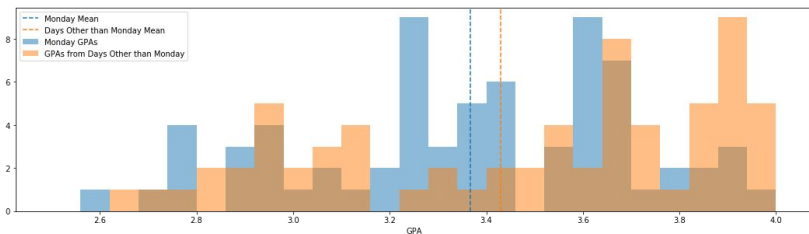
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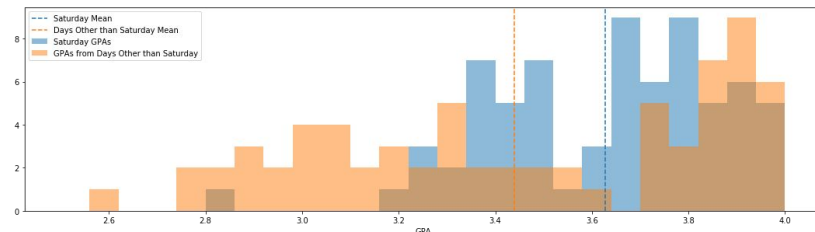
<https://www.kaggle.com/Madgrades/uw-madison-courses>

Day of Week

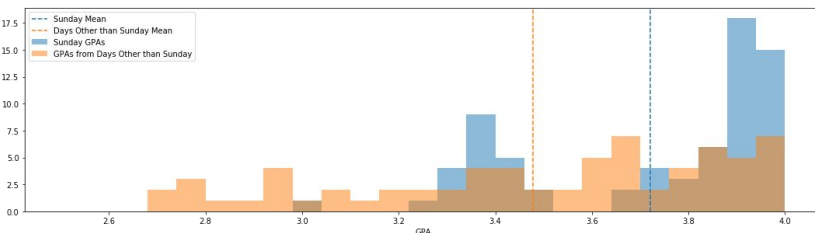
* Significant at 95% confidence level

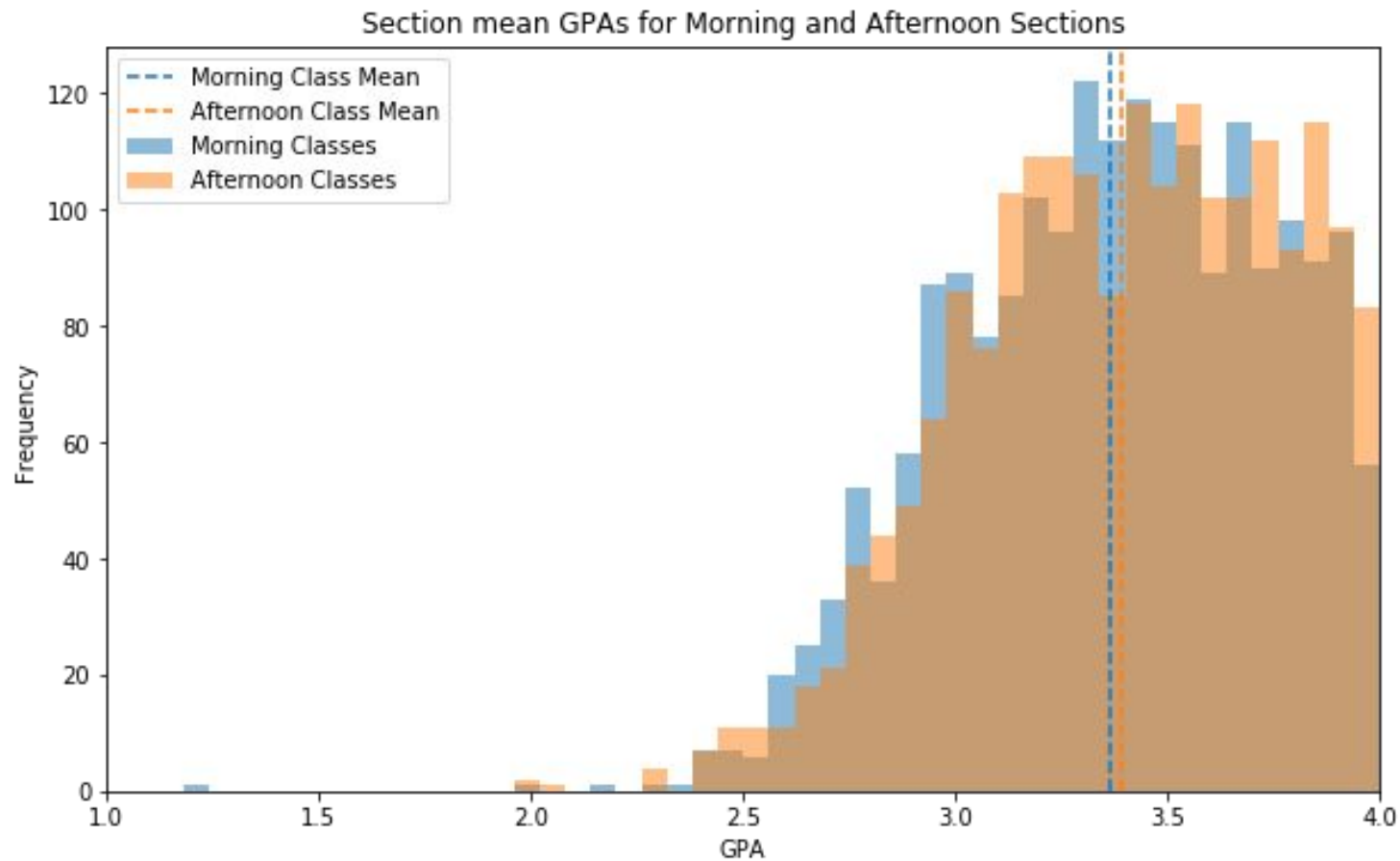


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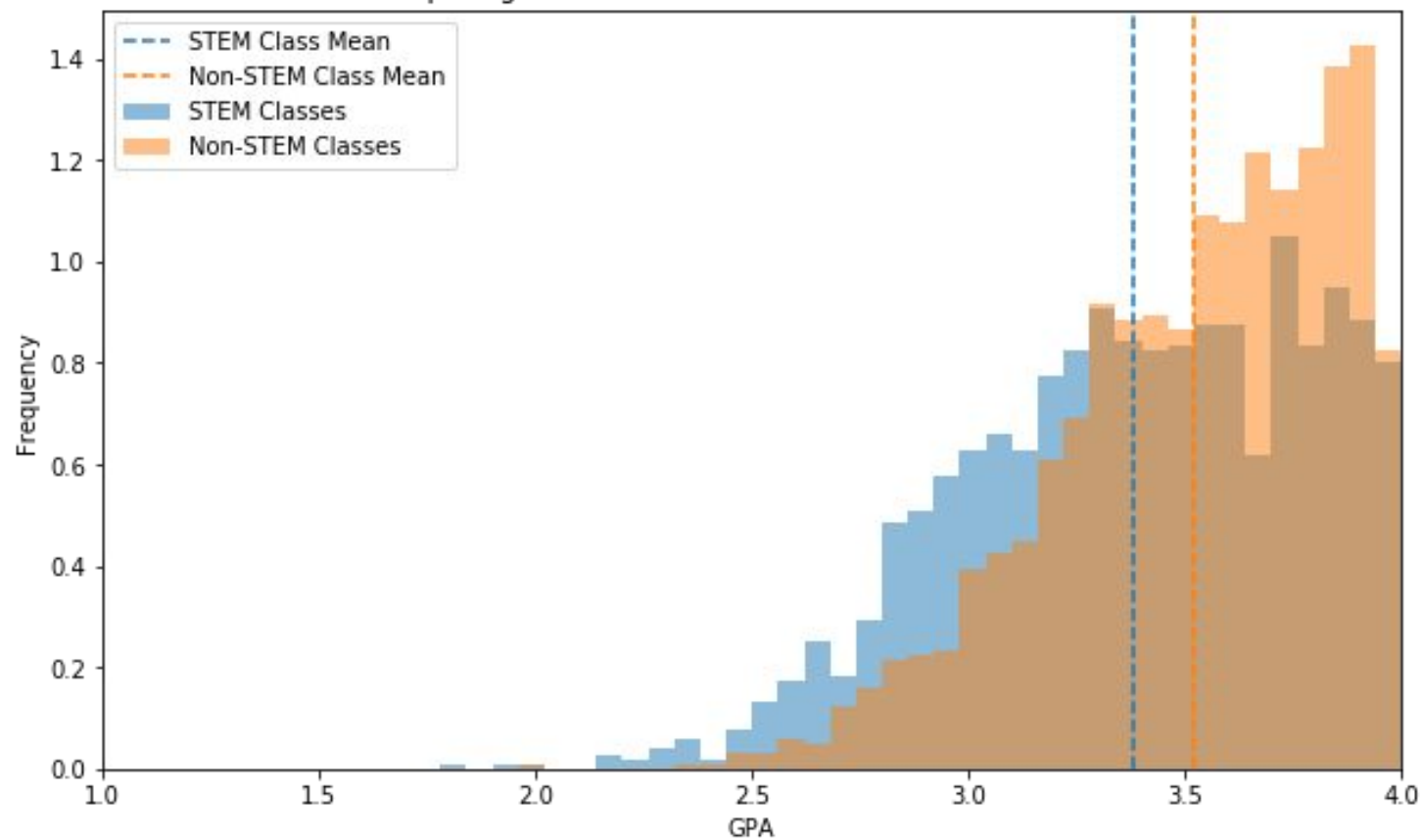
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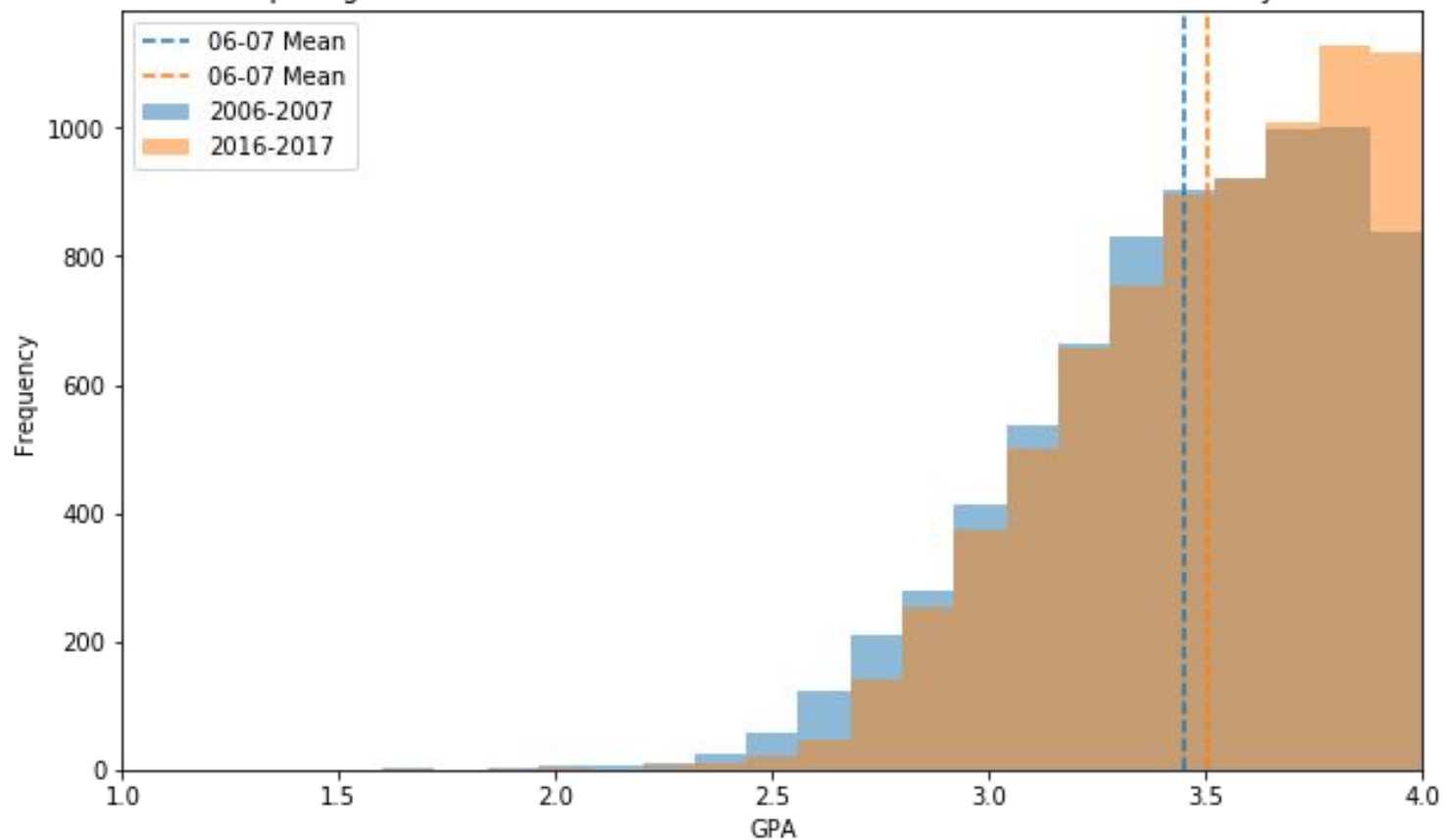
Not significant at 95% confidence level

Comparing Section Mean GPAs for STEM and Non-STEM



* Significant at 95% confidence level

Comparing section mean GPAs between 2006-2007 and 2016-2017 school years



* Significant at 95% confidence level

Section mean GPAs for one instructor and the math department as a whole

Two examples of those significant at 95% confidence level

