ods Test Center Data Analysis  
Scope of Work

06/30/2021

# Overview

## Project Background and Description

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|  | Key stakeholders, project-members and project goals |

* **Project**: Analyze trends in testing data for the ODS Test
* **Goal**: Gain useful insight that will aid in student-worker staffing, extra-time accommodations, and course-related impact on certain accommodations
* **Analyst**: Anthony VanSlambrouck
* **Project Sponsor**: Vanessa Goepel
* **Stakeholders**: Vanessa Goepel, ODS Director; ODS Staff; University of Alabama; Students and Parents; Faculty; Staff

## High-level Project Scope

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| --- | --- |
|  | A High-level project scope statement assists analyst with keeping on track in accordance with stakeholder’s interest |

* Stakeholder feedback indicates scope should focus on data that can improve student-worker staffing, reveal any correlation between course and accommodation (particularly extended test time), and highlight trends in both regular semester and final exams

## Scope Requirements

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| --- | --- |
|  | Detailed scope-requirements help prevent scope-creep and/or scope-change |

The project has the following requirements:

* Outliers should be discarded, except for those that are confirmed to be accurate (e.g., GBA 490)
* Actual exam times that exceed the allotted time should be set to the allotted time
* Final exams should be differentiated from the regular semester
* Investigate any correlation between course and accommodation (especially extra-time)
* Look at day-time vs. night-time testing trends as it pertains to volume

## Deliverables

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| --- | --- |
|  | Project Deliverables and their suggested timelines. Deliverable Updates will be a short one-page summary of the data. Dates provided the range in which deliverables can be expected to be delivered to project sponsor |

* ***07/15/2021-08/05/2021:***
  + Deliverable update to project sponsor
    - Finished scripts that will allow the loading and processing of future CSVs that will require no technical knowledge
    - Create new data-frame for final exams
    - All outliers removed
    - Data processing finished
* ***08/05/2021-08/30/2021:***
  + Deliverable update to project sponsor
    - Night-testing and day-testing summary statistics
    - Course summary statistics
    - Final Exam and regular semester summary statistics
* ***09/15/2021-09/31/2021:***
  + Deliverable update to project sponsor:
    - Basic Exploratory Data Analysis
      * Trends
      * Course Correlations
      * Useful insights
      * Data Visualizations