**PROJECT WORK PLAN**

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**SCOPE**

The scope of this project is to analyze a dataset, and answer some research questions convincingly by supporting the results with visualizations with the help of R.

**DATASET AND LICENSE**

This dataset contains information about hundreds of fields from all institutions of higher education in the US, ranging from enrollment statistics, Graduation rates, Student Financial Aid information and Human Resources components.

The dataset can be found here:

<https://nces.ed.gov/ipeds/use-the-data/download-access-database>

The license for the above dataset is available here:

*<Insert link for license>*

**RESEARCH QUESTIONS**

This project aims to emphasize on the following main variables for the BIG TEN Universities:

* Fall and Spring Enrollment
* Financial Aid
* Graduation Rates

Some research questions that can be answered using these variables are:

* How international students fund the fees for their programs
* The cut-off percentile required for an admit to that particular school <*predictive analytics>*

**TARGET AUDIENCE**

The target audience for this project are:

* The set of students who tend to apply for higher education in the US.
* Media companies like US News that publish opinions, rankings and analysis for these Universities.

**COLLABORATION TOOLS**

The tools that the members of this team are using are mainly:

* *Version management tool*: Github
* *Cloud sharing platform*: Google Drive
* *Data analysis and visualization tool*: R Studio
* *Documentation tool*: Microsoft Office
* *Database tool*: Microsoft Access

**PLANNED TIMELINE AND TASK DELEGATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TASK NAME** | **START DATE** | **END DATE** | **DURATION (WORKDAYS)** | **TEAM MEMBER** |
|
| **Work Plan** | **Week 6** | | | |
| Analysis and Structuring |  |  | 0 |  |
| Materializing and Planning |  |  | 0 |  |
| Documentation |  |  | 0 |  |
| **Data Cleaning and Documentation** | **Week 10** | | | |
| Work on feedback of previous task |  |  | 0 |  |
| Data Segregation and compilation |  |  | 0 |  |
| Data Wrangling |  |  | 0 |  |
| Data Cleaning |  |  | 0 |  |
| Data Preparation |  |  | 0 |  |
| Documentation |  |  | 0 |  |
| **Team Progress Meeting** | **Week 10** | | | |
| Meeting with instructor |  |  | 0 |  |
| **R Script Draft** | **Week 12** | | | |
| Work on feedback of previous task |  |  | 0 |  |
| Data Wrangling R Script |  |  | 0 |  |
| Data Cleaning R Script |  |  | 0 |  |
| Data Preparation R Script |  |  | 0 |  |
| Final documentation of all Scripts |  |  | 0 |  |
| **R Plot Draft** | **Week 13** | | | |
| Work on feedback of previous task |  |  | 0 |  |
| R Plot research question 1 |  |  | 0 |  |
| R Plot research question 2 |  |  | 0 |  |
| R Plot research question 3 |  |  | 0 |  |
| Final documentation of all Scripts |  |  | 0 |  |
| **Presentation** | **Week 15** | | | |
| Work on feedback of previous task |  |  | 0 |  |
| Structure the presentation |  |  | 0 |  |
| Compilation of all tasks |  |  | 0 |  |
| Editing the presentation |  |  | 0 |  |
| **Git Package** | **Week 15** | | | |
| Commit all documentations |  |  | 0 |  |
| Commit R Script Drafts |  |  | 0 |  |
| Commit R Plot Drafts |  |  | 0 |  |
| Commit final presentation |  |  | 0 |  |

**GANTT CHART**

Attached here is the Gantt chart outlining the Project timeline along with task delegation. ****