# README FILE

## Higher Education Data Files and Instructions.

The Higher Education data used in the analysis for this project is from the Higher Education Statistics Agency (HESA) website [Data and analysis | HESA](https://www.hesa.ac.uk/data-and-analysis). Data from the Students and Graduates open data sets have been used. Each notebook references the tables download for analysis.

Each notebook details the process undertaken for data cleaning and analysis.

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| **HE Enrolment Jupyter Notebooks** | **Data Files** |
| [HE student enrolments by subject of study.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20subject%20of%20study.ipynb) | [HE student enrolments by HE provider 2014-5 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202014-5%20FT.xlsx) |
| [HE Student Enrolment by Provider - Percentage of Female Students.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20Student%20Enrolment%20by%20Provider%20-%20Percentage%20of%20Female%20Students.ipynb) | [HE student enrolments by HE provider 2015-6 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202015-6%20FT.xlsx) |
| [HE Student Enrolment by Provider - top and bottom 10 female students.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20Student%20Enrolment%20by%20Provider%20-%20top%20and%20bottom%2010%20female%20students.ipynb) | [HE student enrolments by HE provider 2016-7 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202016-7%20FT.xlsx) |
| [Total First Year Student Enrolments 2011-2021.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/Total%20First%20Year%20Student%20Enrolments%202011-2021.ipynb) | [HE student enrolments by HE provider 2017-8 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202017-8%20FT.xlsx) |
| [%change.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/%25change.ipynb) | [HE student enrolments by HE provider 2018-9 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202018-9%20FT.xlsx) |
| [Initial HESA HE Enrolment Data Review.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/Initial%20HESA%20HE%20Enrolment%20Data%20Review.ipynb) | [HE student enrolments by HE provider 2019-20 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202019-20%20FT.xlsx) |
| [Initial HESA Student Data Review.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Student/Initial%20HESA%20Student%20Data%20Review.ipynb) | [HE student enrolments by HE provider 2020-1 FT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20HE%20provider%202020-1%20FT.xlsx) |
|  | [HE student enrolments by subject of study 2019-0 PT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20subject%20of%20study%202019-0%20PT.xlsx) |
|  | [HE student enrolments by subject of study 2020-1 PT.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20subject%20of%20study%202020-1%20PT.xlsx) |
|  | [HE student enrolments by subject of study FT 2019-0.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20subject%20of%20study%20FT%202019-0.xlsx) |
|  | [HE student enrolments by subject of study FT 2020-1.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/New%20data/HE%20student%20enrolments%20by%20subject%20of%20study%20FT%202020-1.xlsx) |
|  | [Percentage of HE student enrolments in science subjects by personal characteristics.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/HE%20subject%20enrolment/Archive/Percentage%20of%20HE%20student%20enrolments%20in%20science%20subjects%20by%20personal%20characteristics.xlsx) |
|  | [HESA Data - Personal Characteristics.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Student/HESA%20Data%20-%20Personal%20Characteristics.xlsx) |
| Graduate Outcomes |  |
| [Graduate Data Cleaning.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Graduate%20Data%20Cleaning.ipynb) | [Percentage of graduates in full-time paid employment in the UK by salary band and personal characteristics 2017-8.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Percentage%20of%20graduates%20in%20full-time%20paid%20employment%20in%20the%20UK%20by%20salary%20band%20and%20personal%20characteristics%202017-8.xlsx) |
| [Graduate Outcomes by Activity.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Graduate%20Outcomes%20by%20Activity.ipynb) | [Percentage of graduates in full-time paid employment in the UK by salary band and personal characteristics 2018-9.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Percentage%20of%20graduates%20in%20full-time%20paid%20employment%20in%20the%20UK%20by%20salary%20band%20and%20personal%20characteristics%202018-9.xlsx) |
| [Graduate salaries.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Graduate%20salaries.ipynb) | [Percentage of graduates in full-time paid employment in the UK by salary band and personal characteristics 2019-20.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Percentage%20of%20graduates%20in%20full-time%20paid%20employment%20in%20the%20UK%20by%20salary%20band%20and%20personal%20characteristics%202019-20.xlsx) |
| [Initial HESA Graduate Data Review.ipynb](http://localhost:8888/notebooks/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/Initial%20HESA%20Graduate%20Data%20Review.ipynb) | [PG Grad Outcomes 2018-9.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/PG%20Grad%20Outcomes%202018-9.xlsx) |
|  | [PG Grad Outcomes 2019-0.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/PG%20Grad%20Outcomes%202019-0.xlsx) |
|  | [UG FT Grad outcomes 2018-9.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/UG%20FT%20Grad%20outcomes%202018-9.xlsx) |
|  | [UG FT Grad outcomes 2019-20.xlsx](http://localhost:8888/edit/OneDrive/Documents/CFG%20Nanodegree/Specialisation/Project/HESA/Graduate/UG%20FT%20Grad%20outcomes%202019-20.xlsx) |