

University of Management and Technology (UMT),
Lahore Campus

BS Data Science

Course: Intro to Data Science (DS291)

Assignment – 01: Python Basics with Git & GitHub
Submission

Submitted By:

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Roll Number: S2024332017

Instructor: Mr. Arslan Ahmad

Semester/Section: 4th Semester, Section D1

Submission Date: 15 November 2025

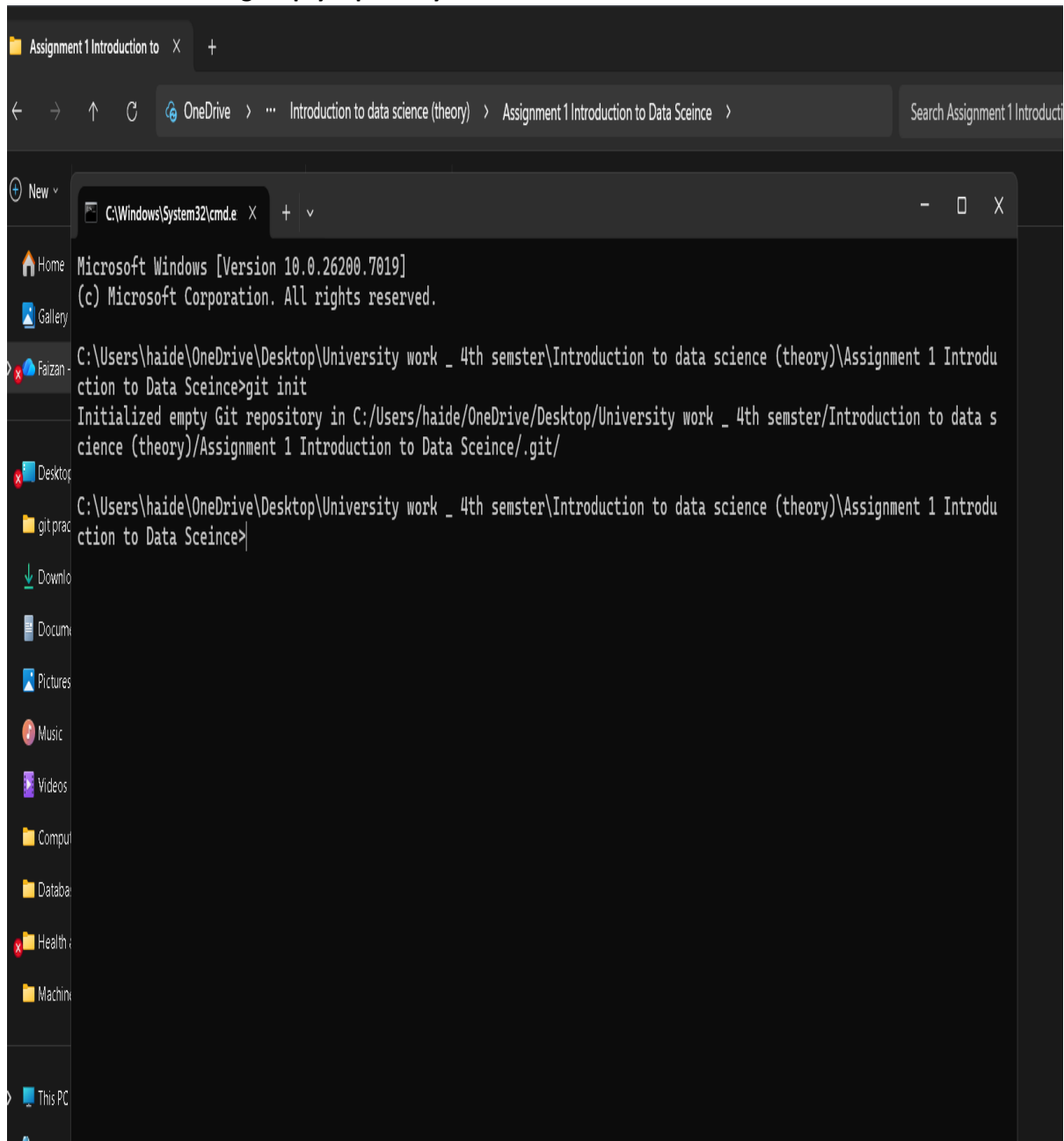
Objective:

The objective of this assignment is to demonstrate the complete workflow of version control using Git and GitHub, including initializing a local repository, adding and committing files, connecting to a remote repository, and pushing the files to GitHub, with all steps documented through screenshots

Check out my DS291 Assignment 01:

https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git

Screenshot 1 intializing empty repository:



Screenshot 2 working Area

```
Microsoft Windows [Version 10.0.26200.7019]
(c) Microsoft Corporation. All rights reserved.

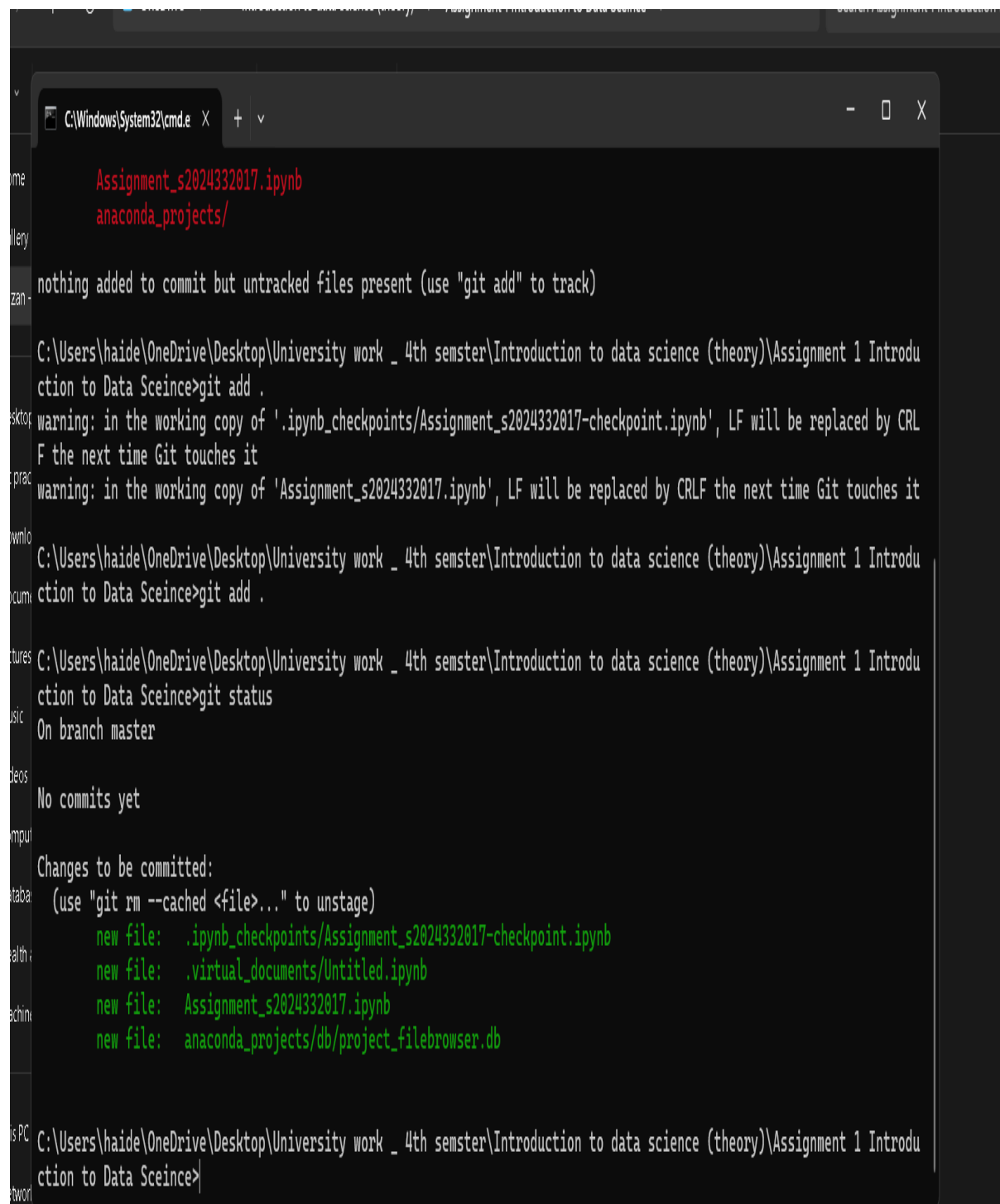
C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git init
Initialized empty Git repository in C:/Users/haide/OneDrive/Desktop/University work _ 4th semster/Introduction to data science (theory)/Assignment 1 Introduction to Data Sceince/.git/

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .ipynb_checkpoints/
    .virtual_documents/
    Assignment_s2024332017.ipynb
    anaconda_projects/
```

Screenshot 3: adding to staging area



```
C:\Windows\System32\cmd.exe X + v

Assignment_s2024332017.ipynb
anaconda_projects/

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git add .
warning: in the working copy of '.ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Assignment_s2024332017.ipynb', LF will be replaced by CRLF the next time Git touches it

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git add .

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
    new file:   .virtual_documents/Untitled.ipynb
    new file:   Assignment_s2024332017.ipynb
    new file:   anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>
```

Screenshot 4: committing and checking log

```
C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git status
On branch master

no commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
        new file:   .virtual_documents/Untitled.ipynb
        new file:   Assignment_s2024332017.ipynb
        new file:   anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git commit -m " Assignment 1 has been Created "
[master (root-commit) 625c4ec] Assignment 1 has been Created
4 files changed, 421 insertions(+)
create mode 100644 .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
create mode 100644 .virtual_documents/Untitled.ipynb
create mode 100644 Assignment_s2024332017.ipynb
create mode 100644 anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semester\Introduction to data science (theory)\Assignment 1 Introduction to Data Science>git log --oneline
625c4ec (HEAD -> master) Assignment 1 has been Created
```

Screenshot 5: mygit hub account:

The screenshot shows a GitHub profile page for the user **Faizanhaider013**. The page is dark-themed and includes a profile picture of a man with a beard. The user's name is **M.Faizan haider**, with the username **Faizanhaider013** and the pronouns **he/him**. The user is identified as a **DATA Scientist** and has an **Edit profile** button. Contact information includes **AbbasAlsolutions.com**, **haiderfaizan998@gmail.com**, and **in/faizan-haider998**. The **Overview** tab is selected, showing **14** repositories, **0** projects, **0** packages, and **1** star. A section titled **Popular repositories** displays six repositories: **moive-recommender-app** (Python, 1 star), **Traning-an-iris-dataset-using-randomforestclassifier** (Jupyter Notebook), **Deep-learning-and-neural-networks** (Python), **pizza-sale-sql**, **Netflixt_title-Visualization** (Jupyter Notebook), and **Movie-recommender-system** (Jupyter Notebook). A **Contribution settings** dropdown is set to **2025**. A **45 contributions in the last year** section shows a calendar grid for 2024 with green squares indicating contributions. The bottom of the page shows a Windows taskbar with a search bar, application icons, and system tray information including **24°C**, **ENG**, and **1:44 p**.

github.com/Faizanhaider013

Ask Google

Faizanhaider013

Q Type / to search

Overview Repositories 14 Projects Packages Stars 1

Popular repositories Customize your pins

moive-recommender-app Public Python ☆ 1

Traning-an-iris-dataset-using-randomforestclassifier Public Jupyter Notebook

Deep-learning-and-neural-networks Public Python

pizza-sale-sql Public

Netflixt_title-Visualization Public Jupyter Notebook

Movie-recommender-system Public Jupyter Notebook

M.Faizan haider
Faizanhaider013 · he/him

DATA Scientist

Edit profile

AbbasAlsolutions.com
haiderfaizan998@gmail.com
in/faizan-haider998

45 contributions in the last year Contribution settings 2025

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov
Mon
Wed
Fri

Learn how we count contributions Less More

24°C Search 1:44 p

Screenshot 6: repository name and other information

New repository

Q Type / to search

+

Create a new repository

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#).
Required fields are marked with an asterisk (*).

1

General

Owner *

Repository name *

Faizanhaider013

IntroToDataScience_Assignment01_Faizan

IntroToDataScience_Assignment01_Faizan is available.

Great repository names are short and memorable. How about **automatic-octo-succotash**?

Description

"This repository contains Assignment 01 of DS291 (Intro to Data Science), including Python basics solved in

164 / 350 characters

2

Configuration

Choose visibility *

Public

Choose who can see and commit to this repository

Add README

Off

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore

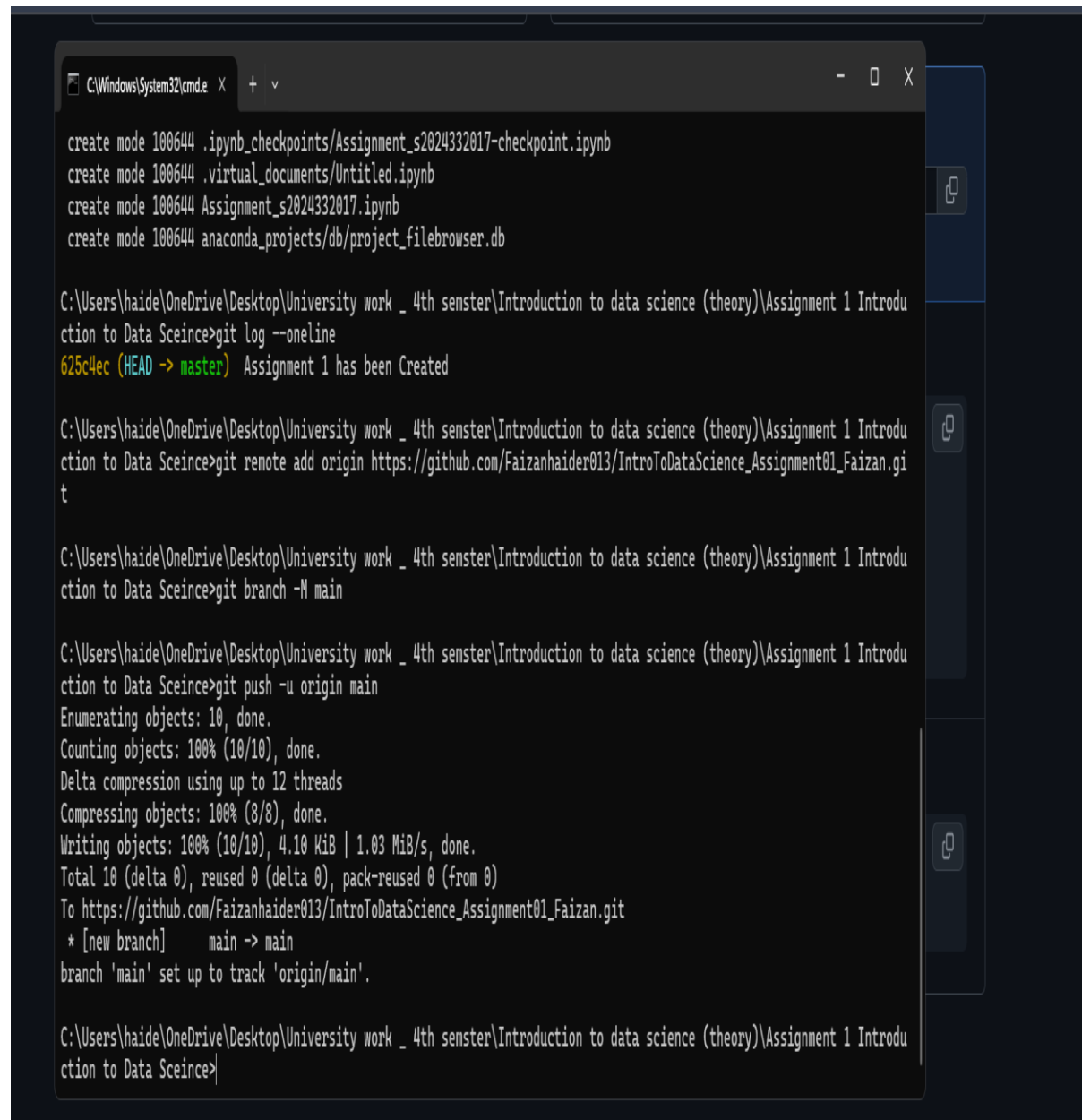
No .gitignore

.gitignore tells git which files not to track. [About ignoring files](#)

Screenshot 7 : other information of repostory



Screenshot 8: pushing my local repository to remote



```
C:\Windows\System32\cmd.exe X + v

create mode 100644 .ipynb_checkpoints/Assignment_s2024332017-checkpoint.ipynb
create mode 100644 .virtual_documents/Untitled.ipynb
create mode 100644 Assignment_s2024332017.ipynb
create mode 100644 anaconda_projects/db/project_filebrowser.db

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git log --oneline
625c4ec (HEAD -> master) Assignment 1 has been Created

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git remote add origin https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git branch -M main

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>git push -u origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 4.10 KiB | 1.03 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Faizanhaider013/IntroToDataScience_Assignment01_Faizan.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\haide\OneDrive\Desktop\University work _ 4th semster\Introduction to data science (theory)\Assignment 1 Introduction to Data Sceince>
```

Screenshot 9: final repository view

The screenshot shows the GitHub interface for a repository named 'IntroToDataScience_Assignment01_Faizan' by user 'Faizanhaider013'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The main content area displays a list of files and folders, including '.ipynb_checkpoints', '.virtual_documents', 'anaconda_projects/db', 'Assignment_s2024332017.ipynb', and 'README.md'. The README file is selected and its content is displayed below, which includes the title 'DS291 – Assignment 01' and course details: 'Course: Intro to Data Science', 'Instructor: Mr. Arslan Ahmad', and 'Semester: Fall 2025'. The right sidebar contains a description of the repository's content, links to the README, Activity, Stars, Watching, and Forks, and sections for Releases and Packages.

IntroToDataScience_Assignment01_Faizan Public

main 1 Branch 0 Tags

Go to file Add file Code About

Faizanhaider013 Add README for DS291 Assignment 01 39ec1ce · 26 minutes ago 2 Commits

| | | |
|------------------------------|------------------------------------|----------------|
| .ipynb_checkpoints | Assignment 1 has been Created | 37 minutes ago |
| .virtual_documents | Assignment 1 has been Created | 37 minutes ago |
| anaconda_projects/db | Assignment 1 has been Created | 37 minutes ago |
| Assignment_s2024332017.ipynb | Assignment 1 has been Created | 37 minutes ago |
| README.md | Add README for DS291 Assignment 01 | 26 minutes ago |

README

DS291 – Assignment 01

Course: Intro to Data Science
Instructor: Mr. Arslan Ahmad
Semester: Fall 2025

"This repository contains Assignment 01 of DS291 (Intro to Data Science), including Python basics solved in Jupyter Notebook and Git/GitHub workflow documentation."

Readme
Activity
0 stars
0 watching
0 forks

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)