GitHub Project Setup and Workflow – UEC\_Data\_Analytics

# 1. Folder Structure (Local)

Create this folder layout on your local machine:  
C:\Users\andrew.turner26\Documents\Github\  
└── UEC\_Data\_Analytics/  
 ├── UEC\_Team/  
 │ └── Monthly\_Data\_Procedure/  
 │ ├── SQL/  
 │ └── PySpark\_Databricks/  
 └── Useful\_Code\_Snippets/  
 ├── SQL/  
 └── PySpark/

To create this using Command Prompt or PowerShell:

cd C:\Users\andrew.turner26\Documents\Github  
mkdir UEC\_Data\_Analytics  
cd UEC\_Data\_Analytics  
mkdir UEC\_Team\Monthly\_Data\_Procedure\SQL  
mkdir UEC\_Team\Monthly\_Data\_Procedure\PySpark\_Databricks  
mkdir Useful\_Code\_Snippets\SQL  
mkdir Useful\_Code\_Snippets\PySpark

# 2. Create the GitHub Repository Online

1. Go to https://github.com  
2. Click 'New repository'  
3. Name it: UEC\_Data\_Analytics  
4. Leave 'Initialize with README' unchecked  
5. Click 'Create repository'

# 3. Initialize Git Locally

In Command Prompt, PowerShell, or Git Bash:

cd C:\Users\andrew.turner26\Documents\Github\UEC\_Data\_Analytics  
git init  
git add .  
git commit -m "Initial commit with structured folders"  
git remote add origin https://github.com/your\_username/UEC\_Data\_Analytics.git  
git branch -M main  
git push -u origin main

# 4. Update Files and Push Changes

Any time you make updates (new files, changes, etc.):  
cd C:\Users\andrew.turner26\Documents\Github\UEC\_Data\_Analytics  
git add .  
git commit -m "Describe what you changed"  
git push

Use 'git status' before 'add' if you want to check what's changed.

# 5. Moving the Repository to Another Machine

Option A: Clone from GitHub (recommended):

cd path/to/where/you/want/your/project  
git clone https://github.com/your\_username/UEC\_Data\_Analytics.git  
cd UEC\_Data\_Analytics

Option B: Copy manually and reconnect Git:

cd path/to/UEC\_Data\_Analytics  
git remote set-url origin https://github.com/your\_username/UEC\_Data\_Analytics.git  
git status  
git push

# Optional Git Check Commands

git status # See what's changed  
git log # View commit history  
git remote -v # Check linked GitHub repo

<https://github.com/AndrewTWork/UEC_Data_Analytics/tree/main/UEC_Team/Monthly_Data_Procedure/SQL>

Update:

In Terminal – navigate to directory:

cd "C:\Users\andrew.turner26\Documents\Github\UEC\_Data\_Analytics"

Stage Changes:  
  
git add .

Commit changes:

git push origin main && git push org main