Advanced Data Analytics — Lecture 3b

Introduction to git and GitHub.com

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Step 1: Cloning an Existing Repository

▶ Clone the existing GitHub repository:
```
git clone https://github.com/your-username/HelloWorldRepo.git
cd HelloWorldRepo
```

▶ This creates a local copy of the repository.

Step 2: Create the Python Script

▶ Create 'hello.py' within the cloned repository:
```python
# hello.py
print("Hello, World")
```

Step 3: Add and Commit the File

▶ Add 'hello.py' to the staging area:

```
git add hello.py
```

▶ Commit the file with a message:

```
git commit -m "Initial commit: Add hello.py"
```

Step 4: Push the Changes to the Repository

- ▶ Push the commit to the GitHub repository:

  `git push origin main`
- ▶ This updates the remote repository with your local changes.

Step 5: Update and Commit Further Changes (Optional)

▶ Update 'hello.py' (if needed) and commit the changes:

```python
# hello.py
print("Hello, Git World")
git add hello.py
git commit -m "Update printed message"
git push origin main
```

Conclusion

▶ Cloning and working with a GitHub repository
▶ Adding and updating files in the repository
▶ Pushing changes to remote repository

Questions and Discussion

Any questions or points to discuss?