Day 86- 90 days of Analytics: Git Commits

In today's video, we looked at commits with git

The following were mentioned

-Once we have navigated to the correct folder, we can initialise Git on that folder using the following command: `git init`

-**Note**: Git now knows that it should watch the folder we initiated it on. Git creates a hidden folder to keep track of changes.

-The `git status` command displays the state of the working directory and the staging area. It lets us see which changes have been staged, which haven't, and which files aren't being tracked by Git. Status output does not show you any information regarding the committed project history.

-Files in a Git repository folder can be in one of 2 states:

- Tracked - files that Git knows about and are added to the repository
- Untracked - files that are in your working directory, but not added to the repository

-When we first add files to an empty repository, they are all untracked. To get Git to track them, we need to stage them, or add them to the staging environment.

-Staged files are files that are ready to be committed to the repository we are working on. It is done using the **git add** command. Example `git add readme.txt`

-Using the dot(.) instead of individual filenames will stage all changes (new, modified, and deleted) files. Example `git add .`

-Adding **commits** keep track of our progress and changes as we work. Git considers each commit change point or "save point". It is a point in the project we can go back to if you find a bug, or want to make a change.

-When we commit, we should **always** include a **message**. By adding clear messages to each commit, it is easy for us (and others) to see what has changed and when. It is done using the `git commit` command. Example `git commit -m "First commit"`

-The **commit** command performs a commit, and the **-m "message"** adds a message.

-To view the history of commits for a repository, we use the **log** command. Example `git log`

Link to the YouTube Recording: https://www.youtube.com/watch?v=Ir818-CBpYA

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