

GTA UE21CS343AB3

Assignment 2 Guidelines

- This assignment aims to provide teams of 4 to gain practical experience with Neo4j. It will be graded for 15 marks.
- Each team will be provided with a set of 10 questions on the date of the assignment - 2nd November.
- The questions will be related to either the Twitter or StackOverflow datasets.
- A team will be allotted a set pertaining to either one of the datasets.
- Only 1 submission should be made per team.
- Answers to these questions will be CQL queries using neo4j commands and various graph algorithms.
- Each submission requires a team to prepare 1 document:
You will have to modify the template allotted to you.
You will be provided space to
 1. Fill in your answer query as text.
 2. Paste a screenshot of the query output.

Prerequisite - Install Neo4j desktop and import the database assigned to you.

Install Neo4j **desktop** by following this [documentation](#) (you can alternatively work on Neo4j browser as well by creating a **sandbox** or by creating a **free instance**(AuraDB) that is provided by clicking on *Get Started*, and signing up on <https://neo4j.com/developer/example-data/>)

The Graph Data Science library(required for implementing graph algorithms) is not included by default in Neo4j AuraDB. Therefore, it is suggested to use desktop or sandbox versions(see plugin installation steps [here](#)).

neo4j.com/developer/example-data/

neo4j Developer

Docs Labs Get Help Get Started

Developer Guides / Data Import / Example Datasets

Guide: Example Datasets

Important - page not maintained

This page is no longer being maintained and its content may be out of date. For the latest guidance, please visit the [Getting Started Manual](#).

Goals

This Guide introduces different example datasets for Neo4j and demonstrates how to import and explore them.

Prerequisites

You should be comfortable installing Neo4j (Desktop, Docker) or using an instance in the cloud (AuraDB, Sandbox).

Intermediate

Datasets

For Beginners

- Getting Started
- Neo4j Graph Platform
- Cypher Query Language

For Developers

- Graph Data Modeling
- Data Import
 - Importing CSV
 - Importing API Data
 - Import: RDBMS to Graph
 - How-To: Import Northwind Dataset
 - How-To: Desktop CSV Import
- Example Datasets**
- Drivers & Language Guides
- Building Applications
- Neo4j Tools & Integrations

Neo4j AuraDB [Start Free](#)

Start your fully managed Neo4j cloud database

Neo4j Sandbox

Learn and use Neo4j for data science & more

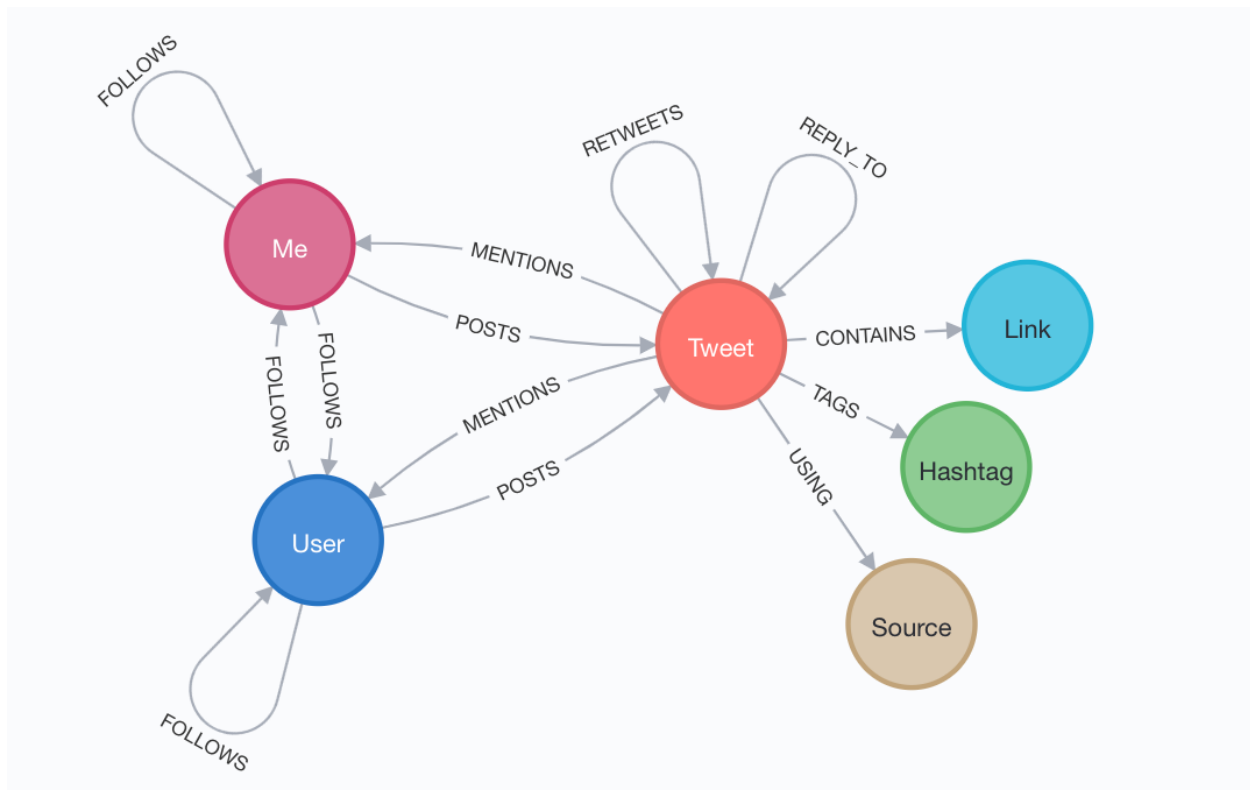
Neo4j Desktop

Manage multiple local or remote Neo4j projects

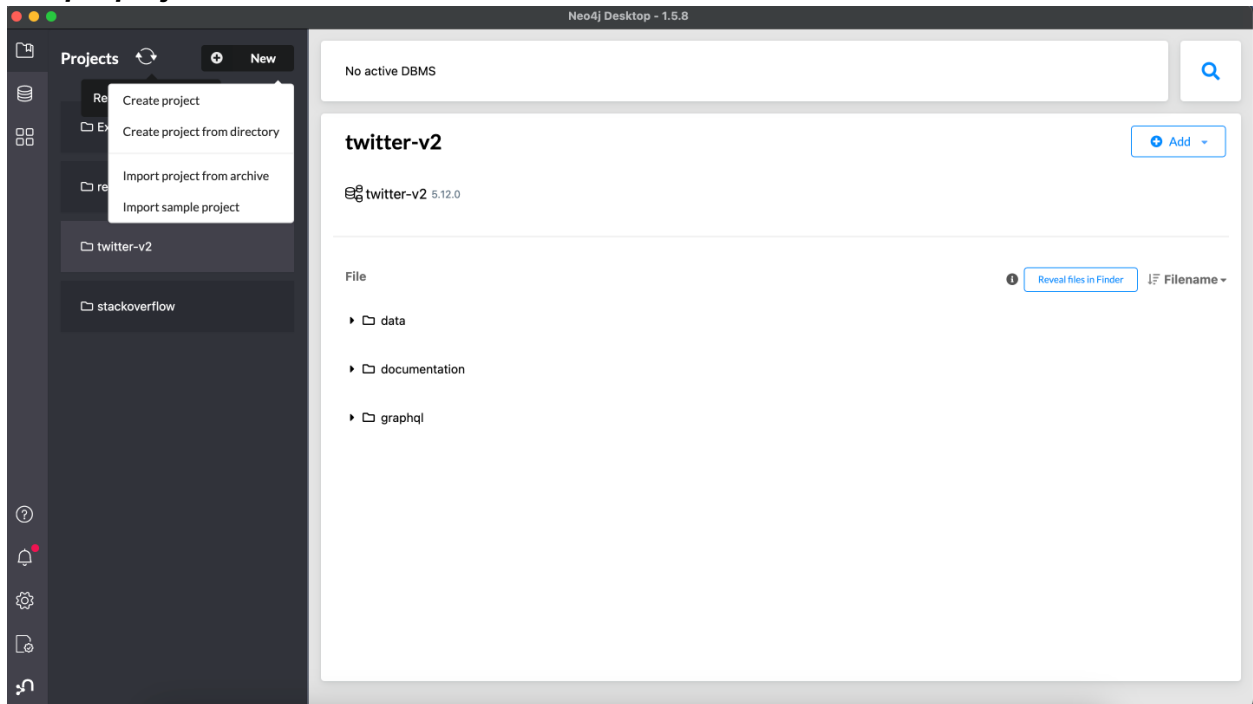
GitHub Repositories

- Neo4j Dataset Demo server
- Access Information
- Hosted Databases
- Feedback
- Other Guide Examples
- Graph Gallery
- Means of Data Import
 - Loading Data from Source Data
 - Using a dump of a Neo4j database
- Large Data Dumps
- Stack Overflow
- Articles on Neo4j

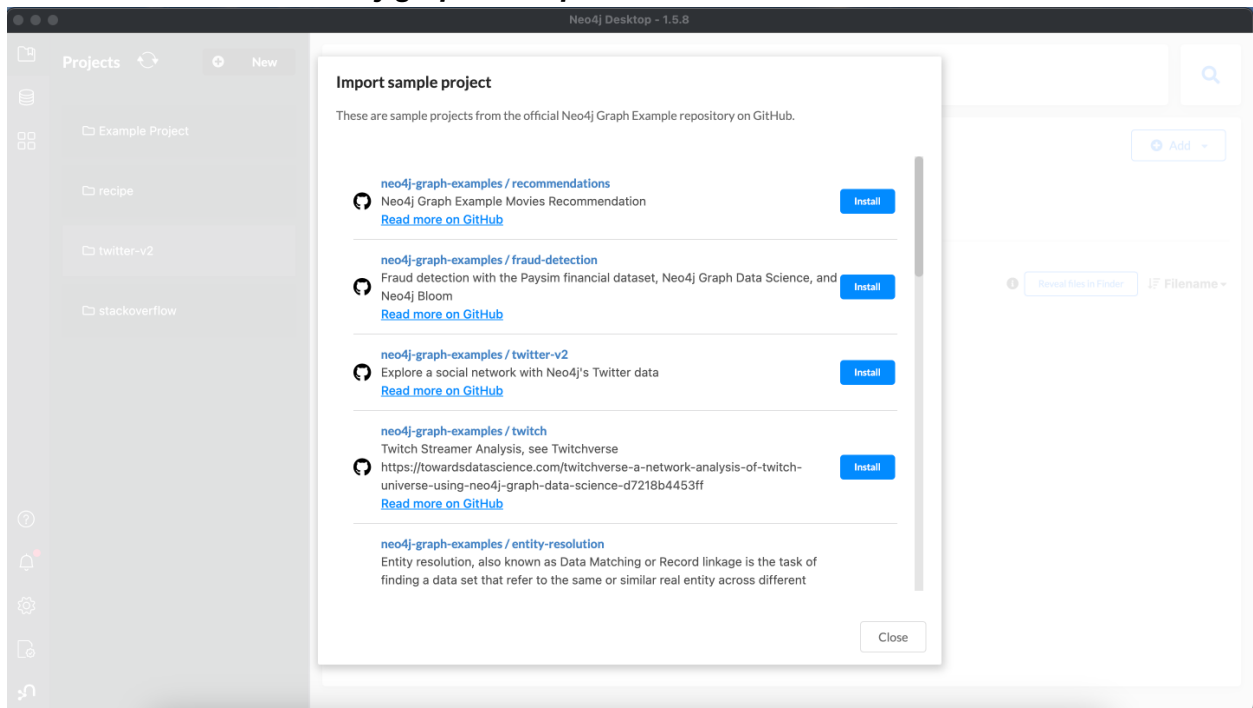
Twitter Dataset



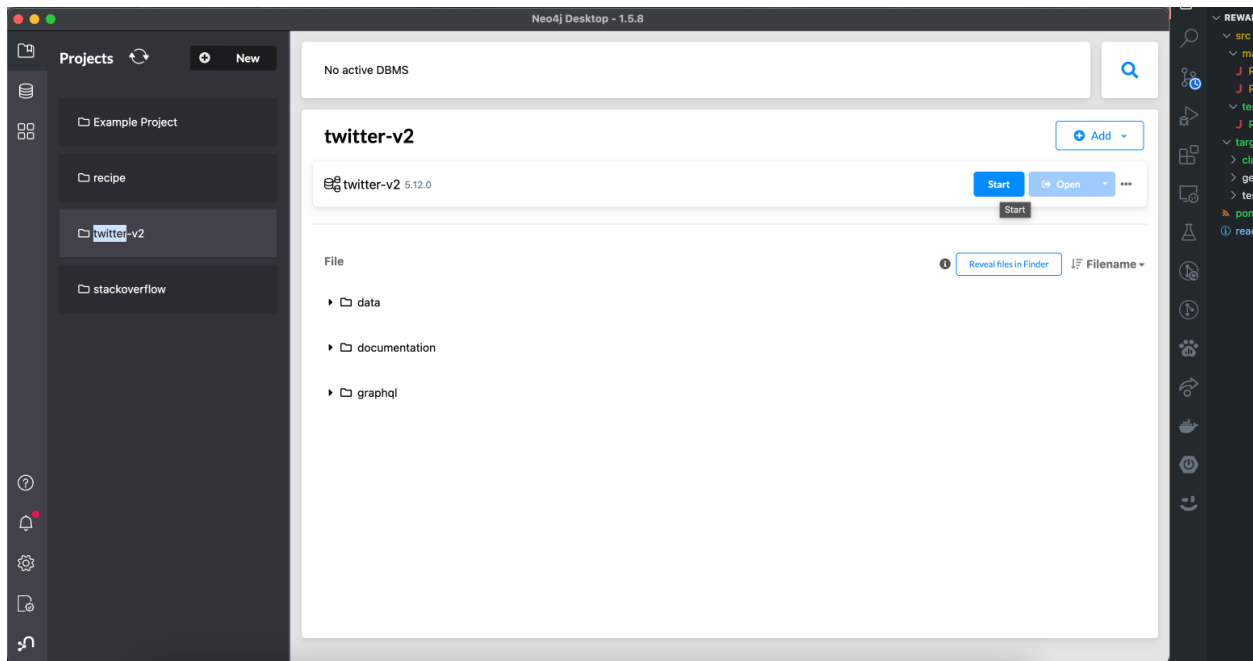
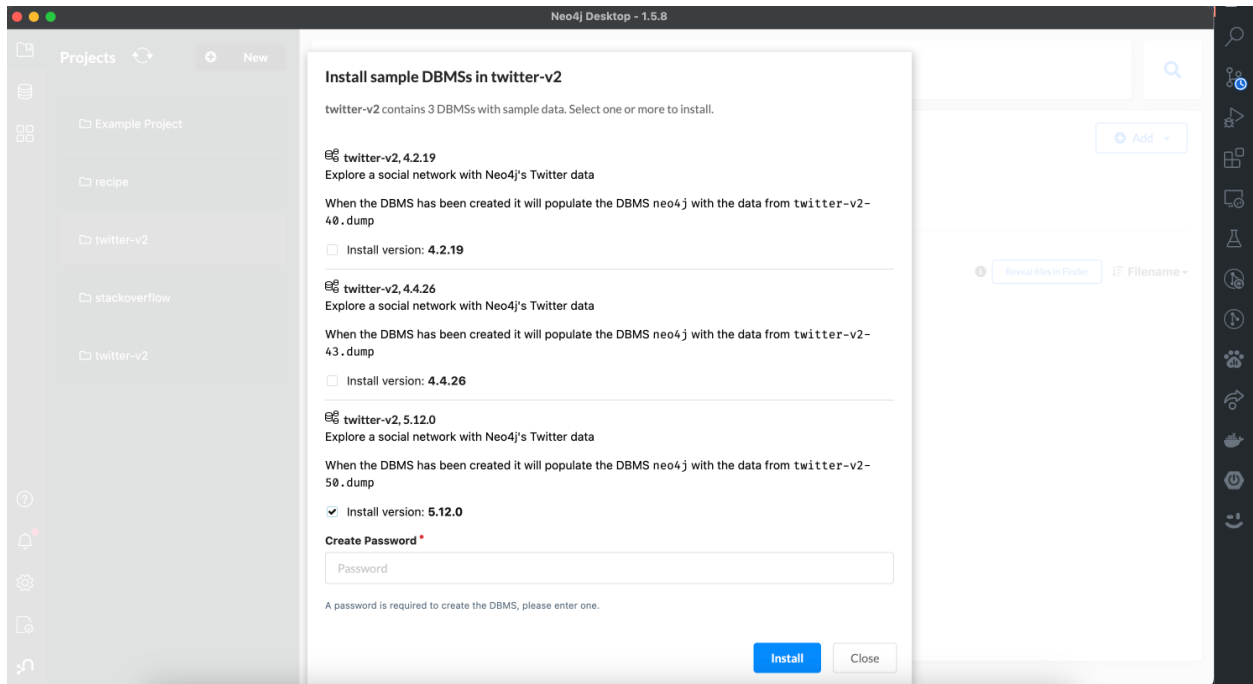
To import a new sample twitter project, launch neo4j desktop, click on **New**, followed by **Import sample project**.



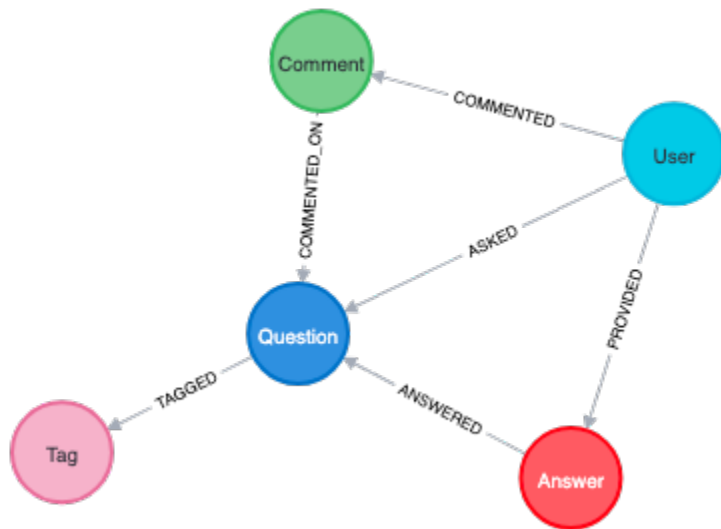
Click on **Install** next to **neo4j-graph-examples/twitter-v2**.



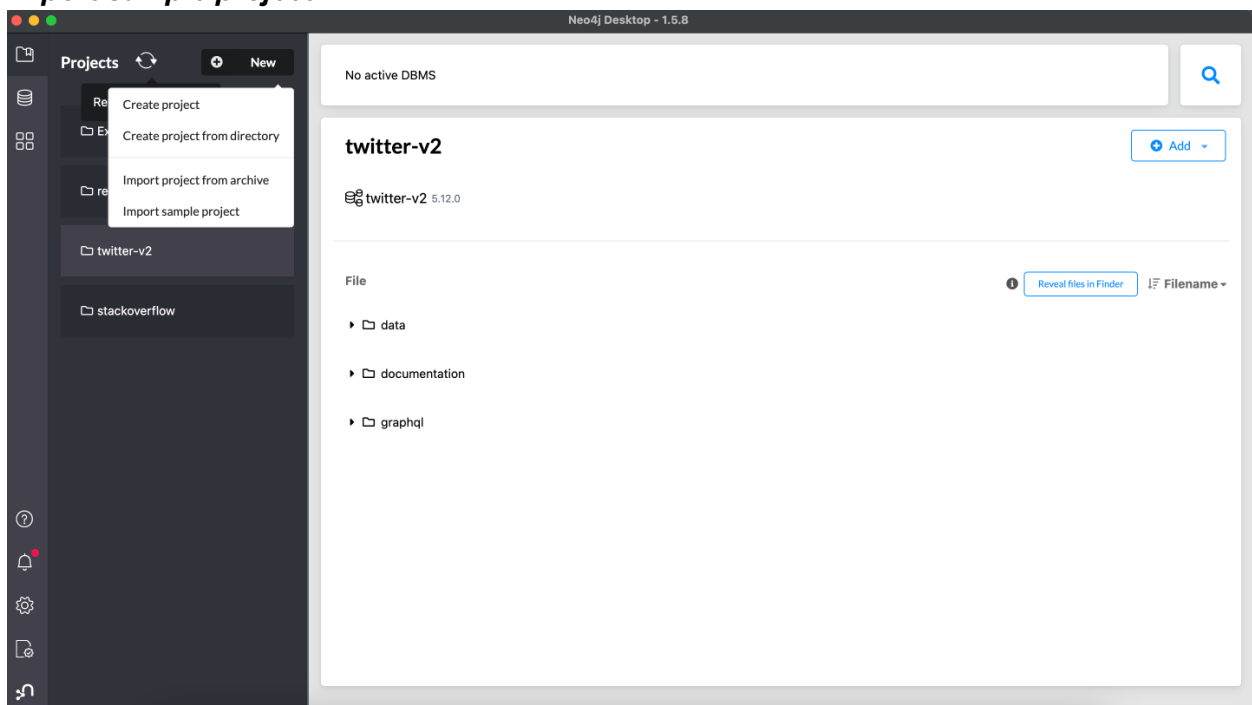
Install the latest version - 5.12.0



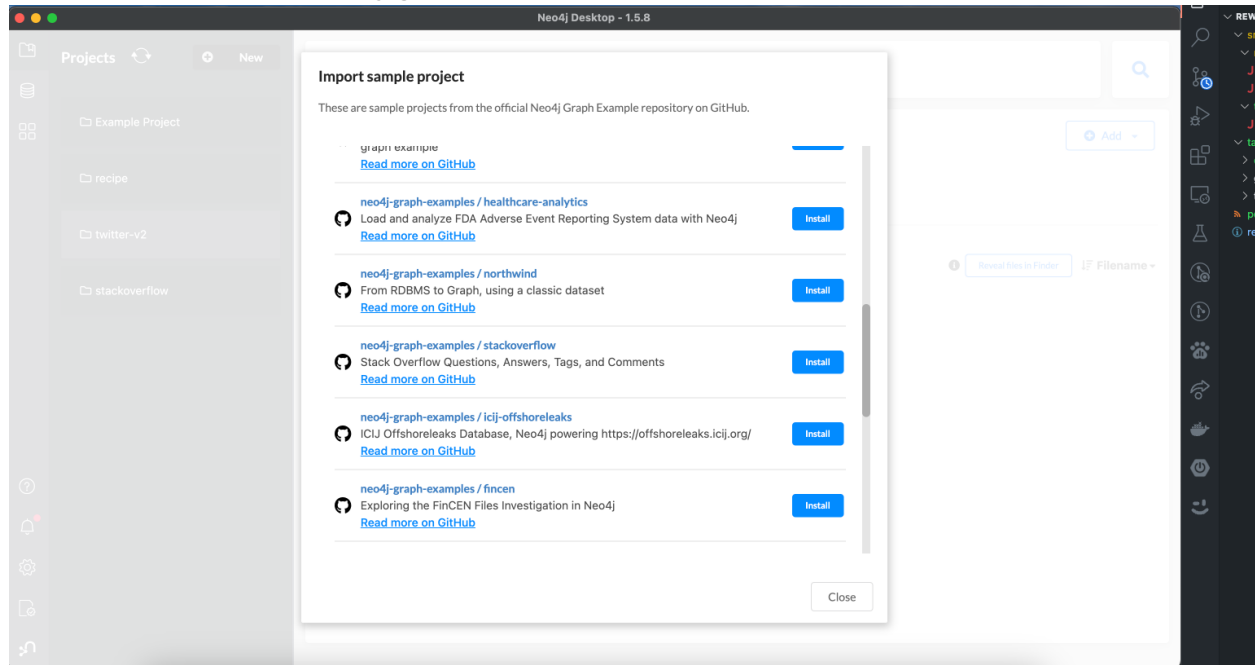
Stack Overflow Dataset



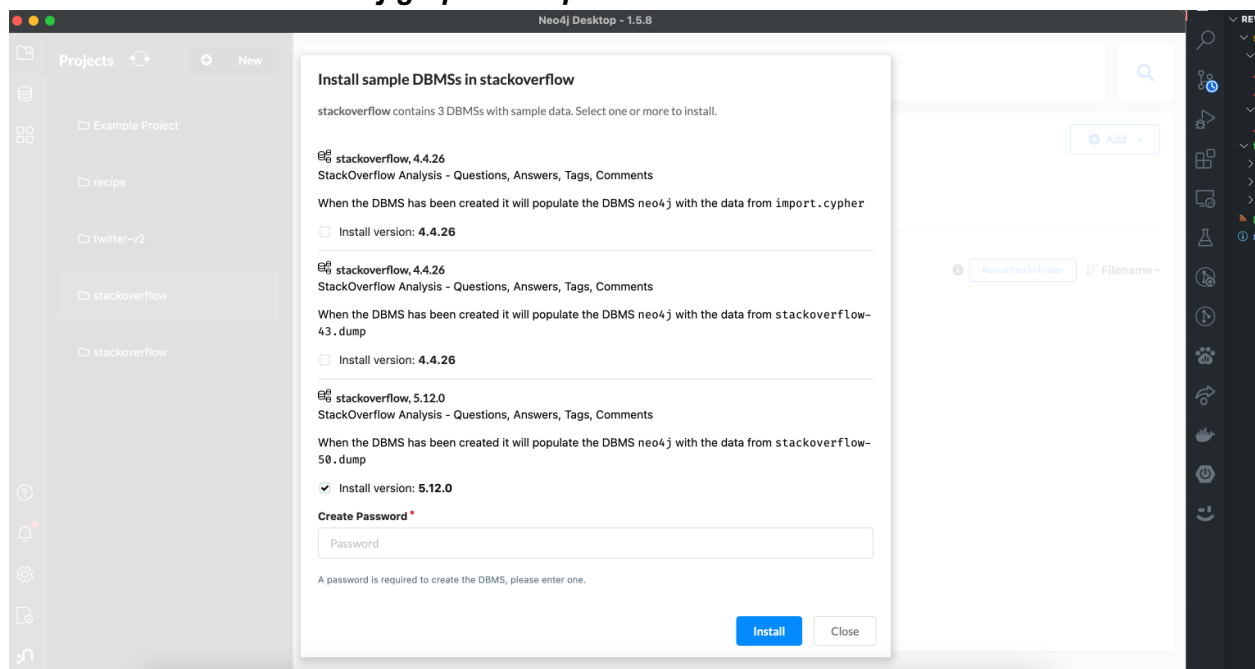
To import a new sample stackoverflow project, launch neo4j desktop, click on **New**, followed by **Import sample project**.



Click on ***Install*** next to ***neo4j-graph-examples/stackoverflow***.

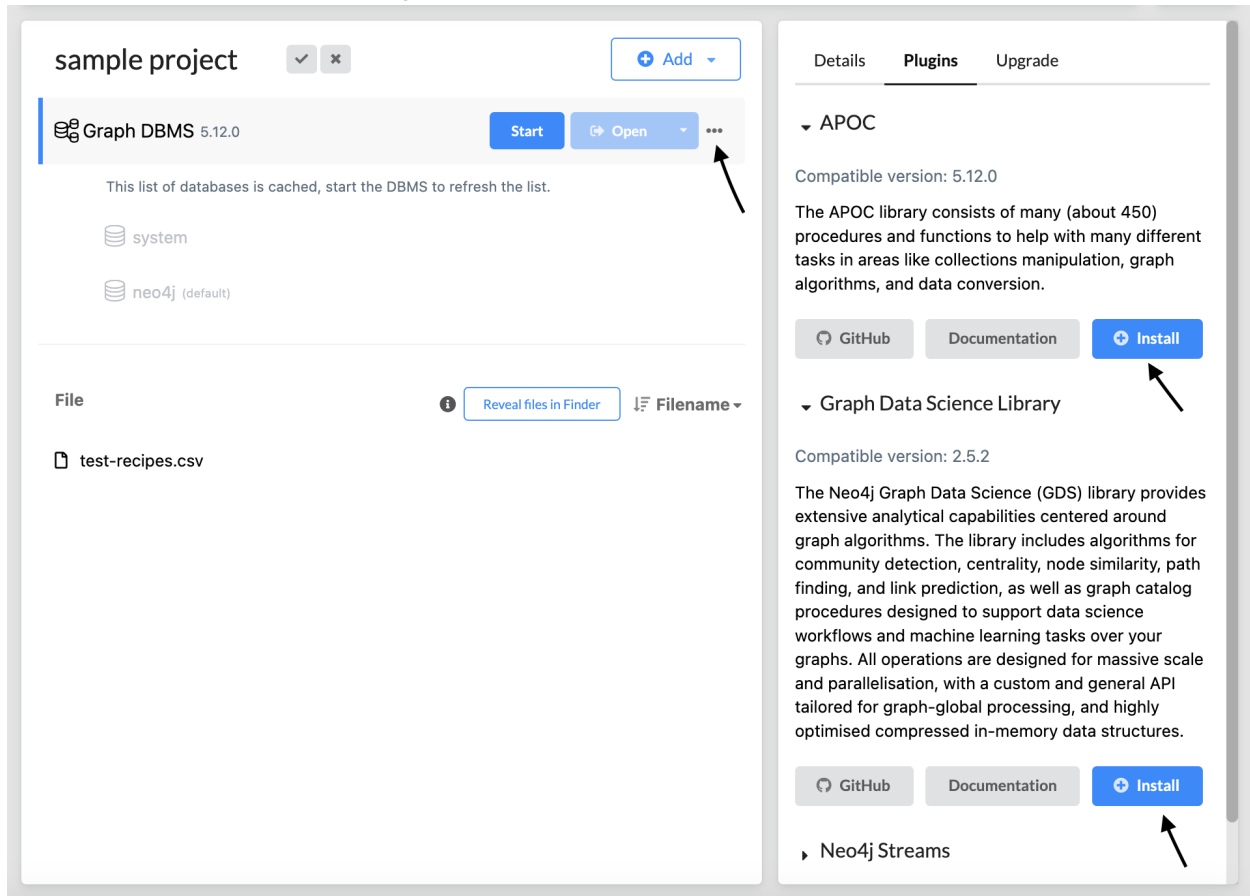


Click on ***Install*** next to ***neo4j-graph-examples/stackoverflow***.



Plugins

To make use of procedure calls in commands, install APOC and GDS library plugins by opening the three dot menu and clicking ***Install***.



Set Allotment

Find your set documents [here](#).

For any queries, reach out to

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