

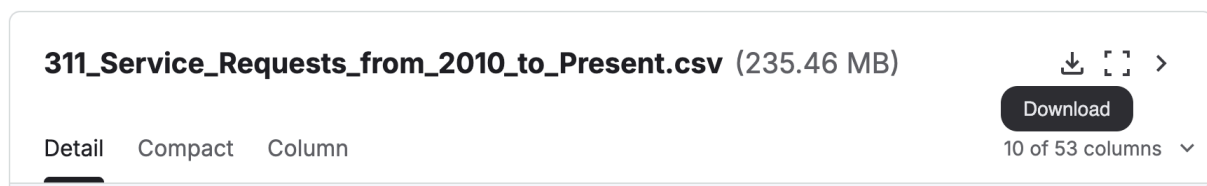
NullAxis Assignment

Build a Data Analytics Agent using Langgraph.

Detailed Problem Statement

Download this dataset of NYC 311 requests from 2020 - present day.

[Link](#)



Then, build a bot that has access to this data and can come up with statistics for questions asked about it.

Sample Questions:

“What are the top 10 complaint types by number of records?”

“For the top 5 complaint types, what percent were closed within 3 days?”

“Which ZIP code has the highest number of complaints?”

“What proportion of complaints include a valid latitude/longitude (i.e., geocoded)?”

Treat the above purely as examples.

Expected:

Frontend where we can carry out analysis in a chat workflow and view statistics.

Can be deployed locally.

Evaluation:

- Final bot output, quality of analysis
- Actual workflow set up behind the scenes (dataset understanding, query understanding etc)

Bonus:

Also add options to visualise data in the chat - e.g. bar graphs, scatter graphs etc.

Use this deepseek API key as your primary LLM:

sk-eaf709af3c4a468aacf0eb0ae8553082

Contact Details:

If you run out of API credits, or have any queries, please reach out to -

Anvay: anvay@nullaxis.ai (8169918354)

Subhojit: subhojit@nullaxis.ai (9980801734)