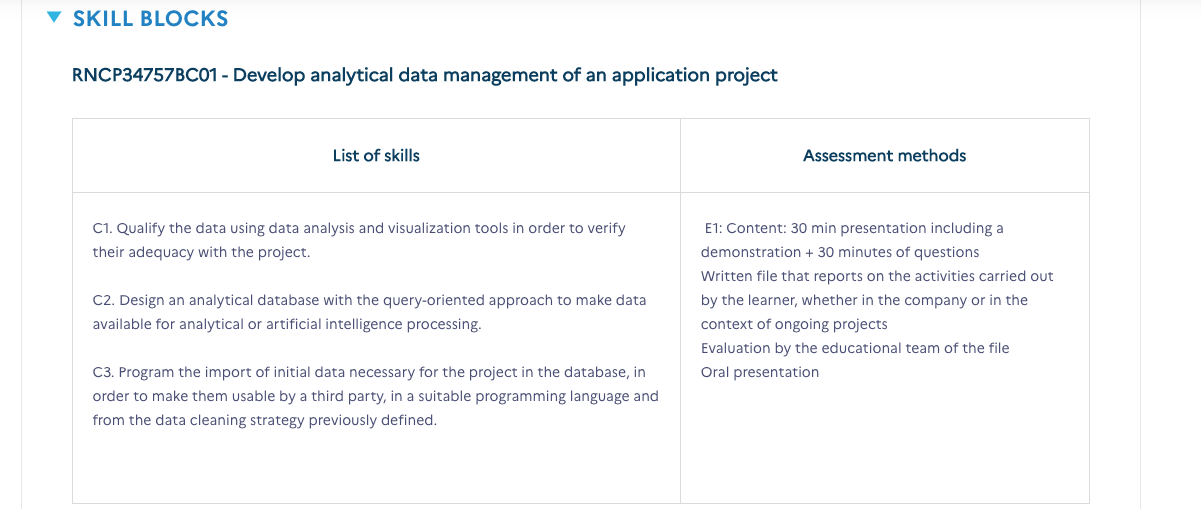
***Certifications professionnelles link to description:*** [**https://www.francecompetences.fr/recherche/rncp/34757/**](https://www.francecompetences.fr/recherche/rncp/34757/)

1. **Explain the use case**
2. **Collect data. Explain why you choose this data, from these data sources**
3. **Clean data and execute exploratory data analysis (+vizualisation)**
4. **Choose the database type (compare several types and explain why)**
5. Create an entity-relationship diagram (at least 4 entities)
6. Create a database (database, tables)
7. Add data to the database
8. Create 5 scripts showing the insights
9. Prepare the 10 pages report
10. Prepare presentation



## **Requirements & Deliverables**

Each student should upload all the project materials to Github.

You should deliver:

* **Planning of your project in Trello/Jira,**
* Code in Python for data collection and cleaning,
* ER model,
* data sources and metadata,
* database script,
* **report (10 pages)**
* slides.

The link to the Github repository and the report in pdf format should be sent on Friday, 02/06/2023 till 10 PM.

## **Presentation**

The presentation time limit is 30 minutes. You will have 5 minutes for Q&A.

The slides of your presentation must include the content listed below and a demo of your project:

* Title of the project + Name
* Description of your Project (context and objective)
* Planning
* Data sources, data collectiont
* Data cleaning
* EDA/Visualization
* ERD, Database Schema, Queries
* Highlights
* Model/Machine learning
* Main results
* Demo
* Challenges
* Conclusions

Possible Data sources:

<https://opendata.paris.fr/pages/home/>

<https://data.gov.uk/>

<https://data.iledefrance.fr/pages/home-open-data/>

|  | Data Analytics |
| --- | --- |

[Project Title]

Your Name

June, 2023

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