

Generator of Multi-Model Data

Cover Letter

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Dear Madam/Sir,

I am pleased to submit my software project, Generator of Multi-Model Data, along with the accompanying documentation. This submission includes a set of documents designed to provide understanding of the project's scope, development process, and usage.

To assist you in navigating the materials, I have outlined the key documents and provided suggestions on the order in which to read them:

1. **Project Report:** I recommend starting with the Project Report, as it offers an overview of the project's objectives, the steps taken during development, and the challenges encountered. It also highlights the additional work undertaken beyond coding.

2. **Programmer Documentation:** After gaining an understanding of the project's overall objectives and process, the next document to review is the Programmer Documentation. The majority of it lays in code comments, however on this [link](#), you will find a written overview of the integrated architecture, main integration classes and sequence diagrams of the underlying processes.

3. **Administrative Documentation:** The [Administrative Documentation](#) will guide you through the installation and setup process for the tool.

4. **User Documentation:** The [User Documentation](#) is designed to help users understand how to operate the tool for multi-model data generation. It provides a tutorial on creating and following a workflow, explaining functionalities and details of the process. I especially suggest watching the demo video, as it shows a live demonstration of the multi-model data generation process (Generation Workflow).

At this point, once you have installed and run the tool as well as acquainted yourself with the user documentation, you should be able to generate some multi-model data yourself.

Following the workflow, start by selecting a Datasource - you can choose to create a new Datasource or use some of the already prepared ones. The prepared Datasources where created from the [Yelp dataset](#) and include:

- "Yelp_small ..." Datasources (represent a small dataset with two [kinds](#))
- "Yelp_big ..." Datasources (represent a some what bigger dataset with five [kinds](#))

5. **DaRe:** You are also warmly invited to explore [DaRe \(Dataset Repository\)](#), a platform dedicated to documenting and showcasing the transformation of single-model datasets into multi-model representations using our tool.

6. **Paper:** Finally, this submission also includes a paper, which describes the tool's new features as presented in this project. The paper will be submitted to the [ENASE '25](#) Conference. Moreover, a demo paper for the [EDBT/ICDT '25](#) Conference is being prepared.

I hope this submission meets your expectations and provides a clear and thorough overview of my work.

Thank you for your time and consideration.

Sincerely,
Alžběta Šrůtková