PROJECT GEOSPATIAL DEVELOP - Interview:

The Task Process

- Situation Definition
- Problem Definition
- Proposed solution
- Analysis and Visualization

Step 1

Situation Definition

I tried to identify the scope of the situation by properly defining it. In this phase, I research the basic factors that created the present mobility situation for The City of Hartberg (Styria). Information about the surrounding area, its people (demographic), and their travel habits. In this task, it was understood that there has been a minor influx and an estimated **increase of the population by about 10%**.

Problem Definition

Next, Problem Definition. I thought about the problem in terms of the objectives to be accomplished by the project and to translate those objectives into criteria that can be quantified. And, in this task.

The objectives include the following:

- Visualize the potential impact of change of schedule in the existing CityBus schedule.
- Predict the potential import of change of the existing CityBus schedule.

Conceptualizing the solution

Afterward, I thought about geographic analysis modeling which includes providing descriptive overviews of the datasets available involving.

- Trip generation (the number of trips generated by each zone in a region) is influenced by geographic factors such as the number of buildings in the direct surrounding.
- The distribution of these trips to destinations depends on explicitly geographic factors such as absolute and relative distances.

A typical fixed-route transit system serves only the people and areas within a short distance of transit stops. In order to better understand the data and visualize it there are some sub-questions that need to be answered.

- What bus service have the highest trip
- Where are the transit stops and lines
- Where are the service areas the transit lines cover?

Data source:

- GTFS:

GTFS stands for “General Transit Feed Specification” and is a world known open source standard for transit agencies.

Step 2 - **Analysis and Visualization**

Technical processes

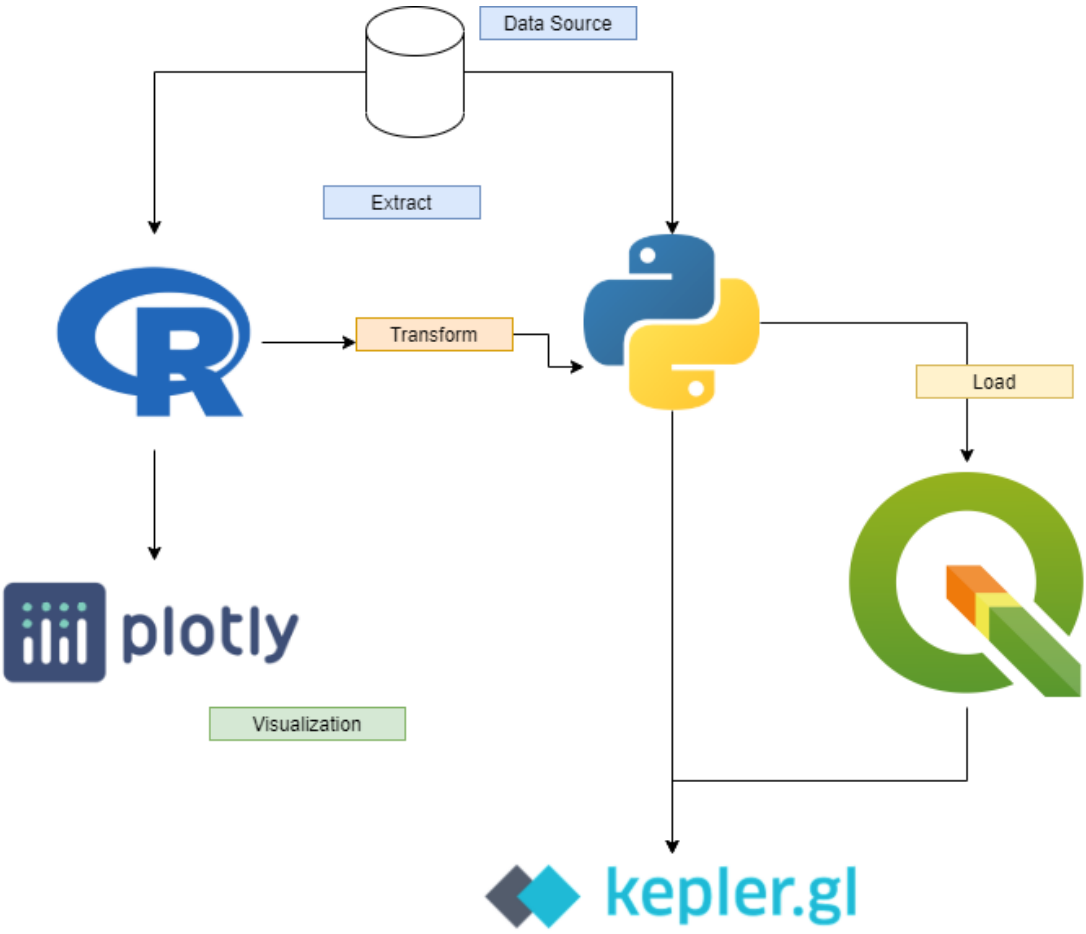

Image of the technical process taken

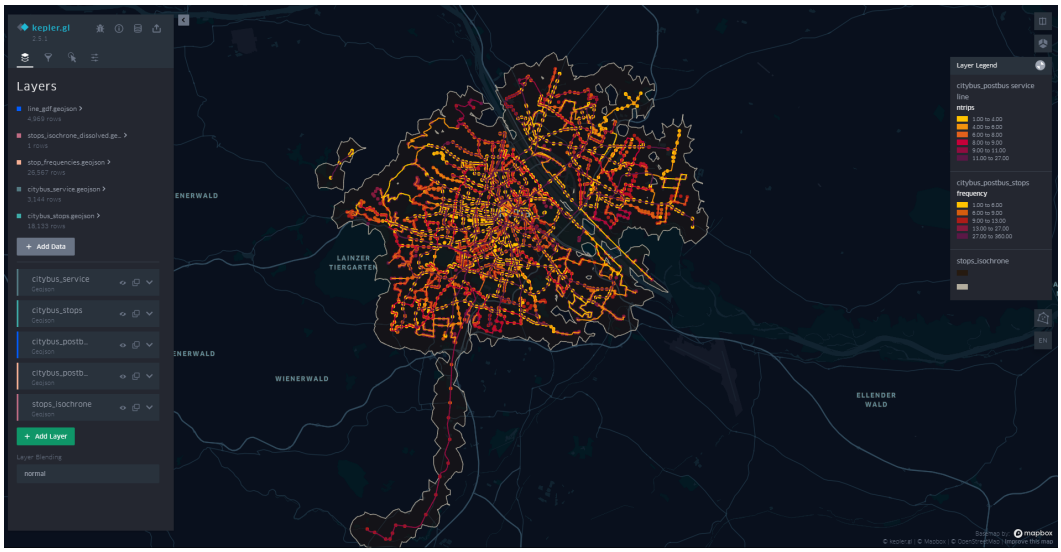

Image of the segment analysis, stops and services lines in kepler gl