Research No.1 "Railway Route Choice Model"

Mission

Make railway route choice models by the following steps

1) Imagine that you start from your house (or your laboratory) to go somewhere in Tokyo Metropolitan Region. Each group member should choose *thirty* destinations (university, shopping center, park, etc.) so that the distances from your house (or your laboratory) to each destination have wide distribution.

2) Find *three* routes (including access & egress stations) from your house (or your laboratory) to each destination.

3) Choose your important factors (travel time, fare, etc.) for choosing your route. Number of factors should be more than *three*.

4) Make a dataset of level-of-service. You can refer the train route guidance website like "NORIKAE ANNAI" (http://www.jorudan.co.jp/english/).

5) Choose your most preferable route of three.

6) Formulate a logit-based route choice model for each member. Explain the estimation process and conduct it. You cannot use advanced statistical software like "GAUSS" or "LIMDEP" that equips maximum likelihood estimation procedure. Only "Excel" can be used.

7) Formulate a logit-based route choice model for all group members.

8) Explain the result in deep from various aspects.