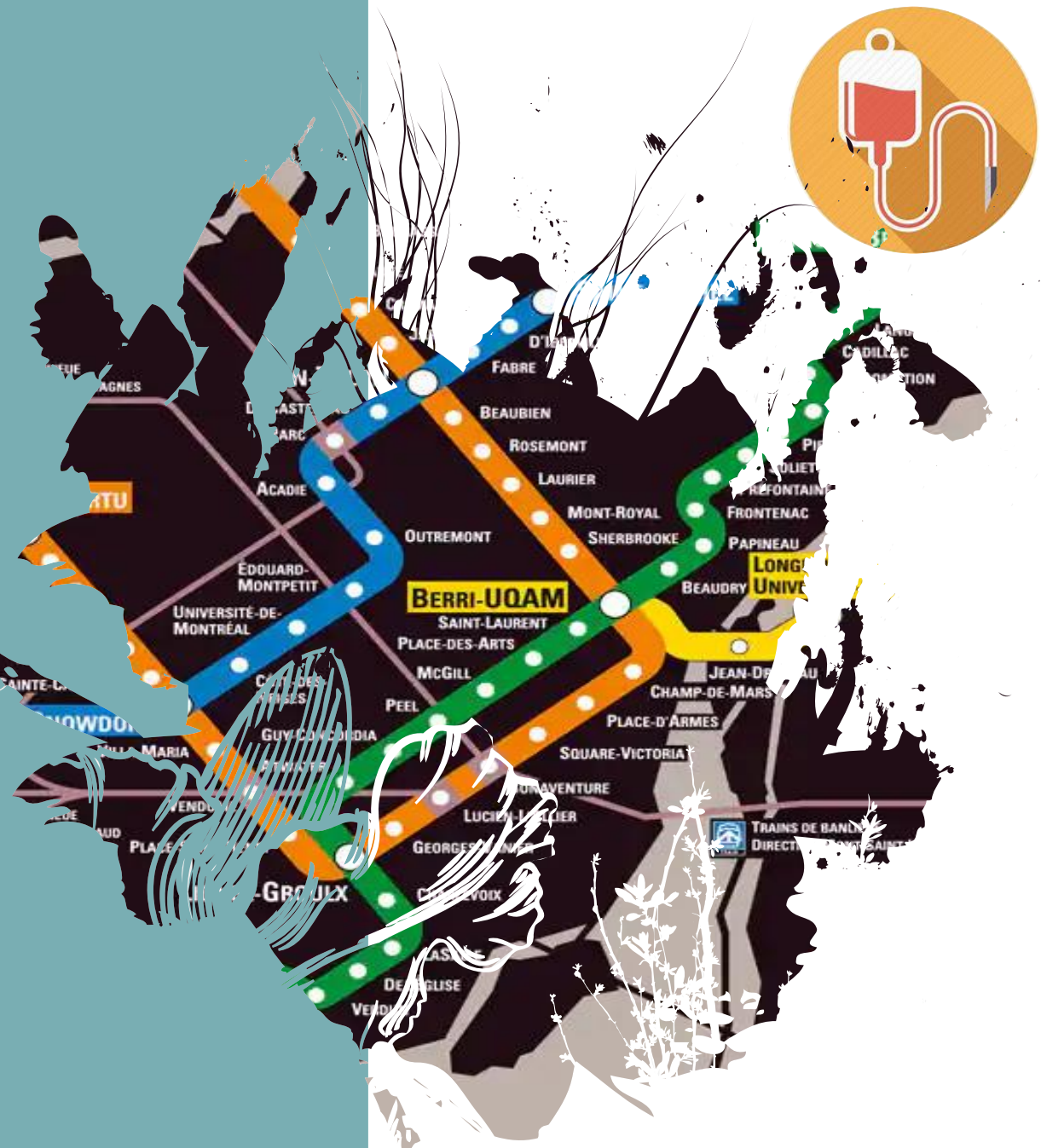
MTA Data analysis of New York Subway with Blood Donate

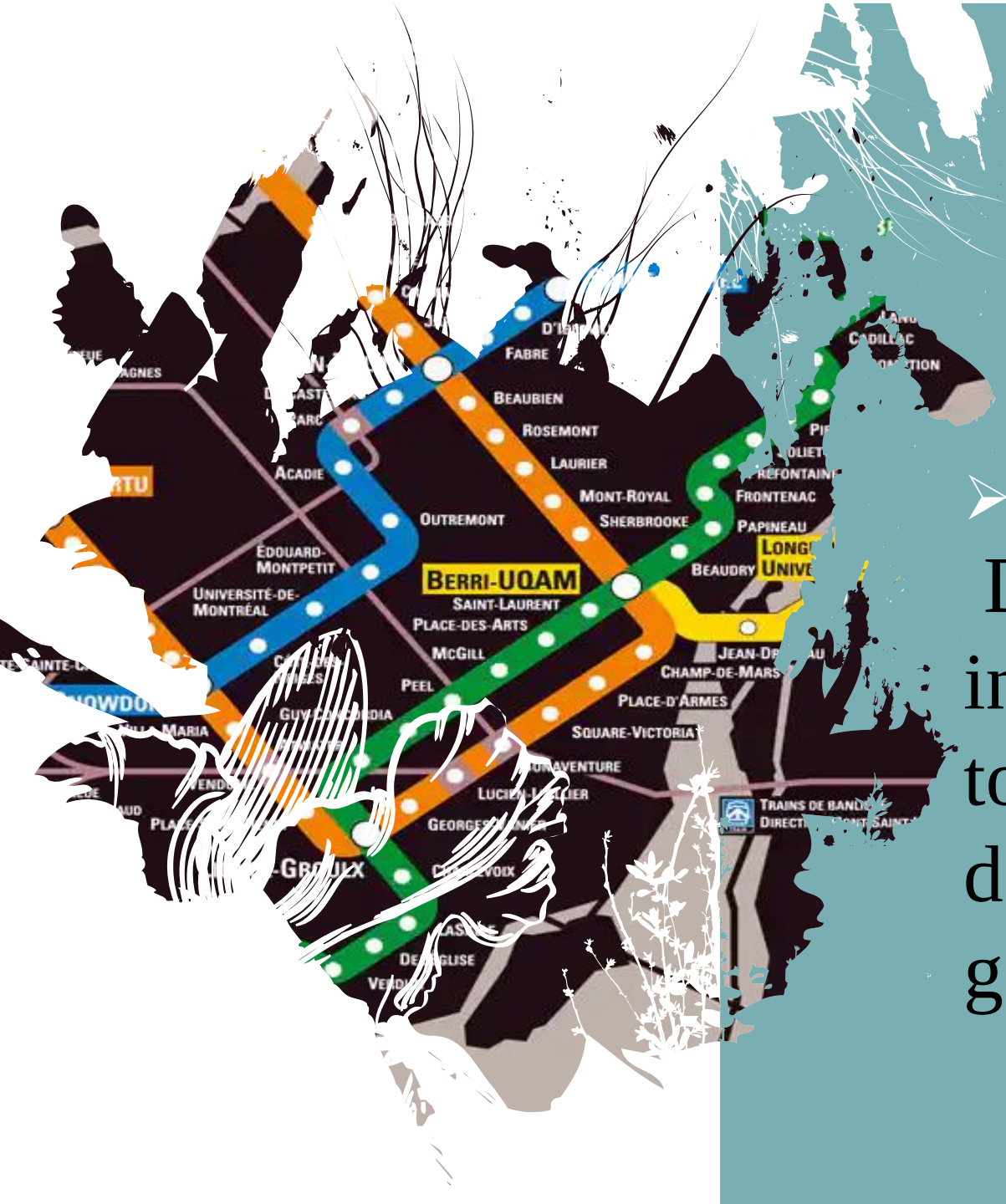


By: nada alqabbani

Project Background :

➢ Idea of Project

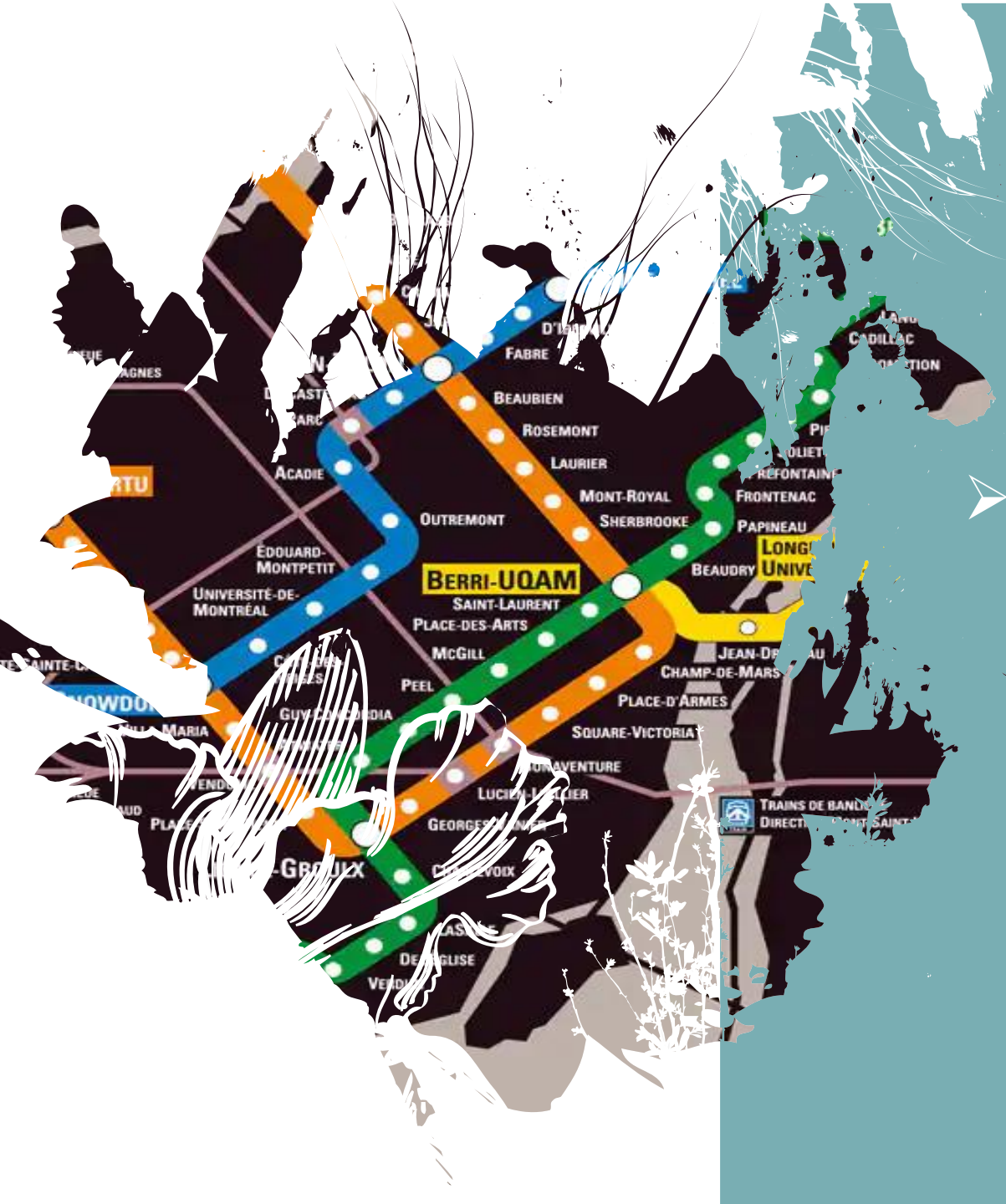
Some of common problems in the world is the need for blood donors to help patients. So, I want to take advantage of the places where people gather to solve the problem by introducing the idea.



Project Background :

➢ Solution

Distribute special donation trucks in the most crowded metro stations to reach the largest number of donors and thus help many patients get better.



Project Background :

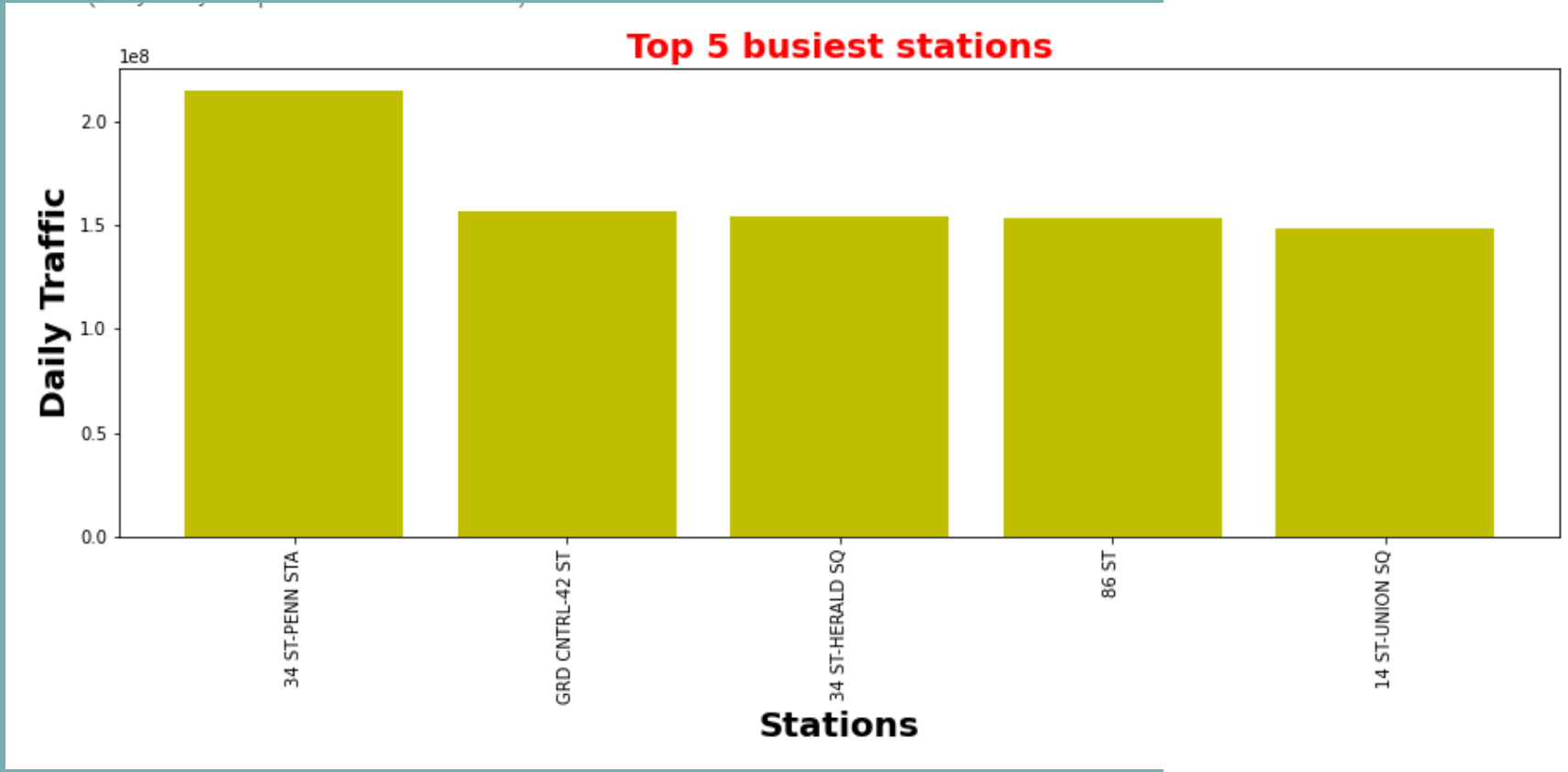
- **Assumption**
  - I assumption when i choice the most station have people and the best time in day, I will collect many donors.
  - I assumption in the time of back people from work and the student from university and in the night is most suitable time.

Data Source :

- **August , September / 2021**
- **December / 2020**
  - Daily Traffic for each Station
  - Daily Traffic for Time Interval
  - Daily Traffic for each day
- **Tools:**
  - Pandas
  - Numpy
  - SQLalchemy
  - Matplotlib
  - Seaborn
  - datetime

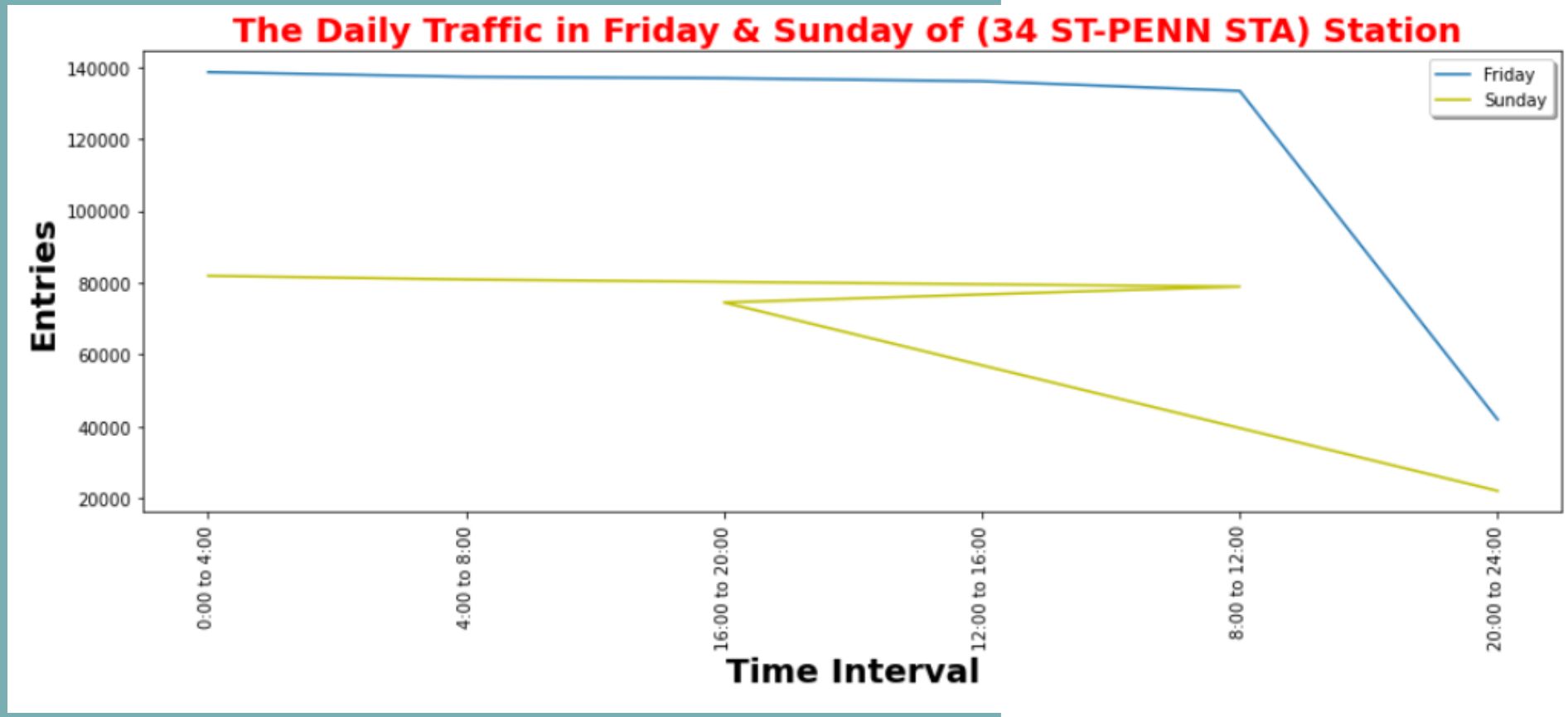
Analysis :

- I choicest the Top 5 Station to distribute trucks



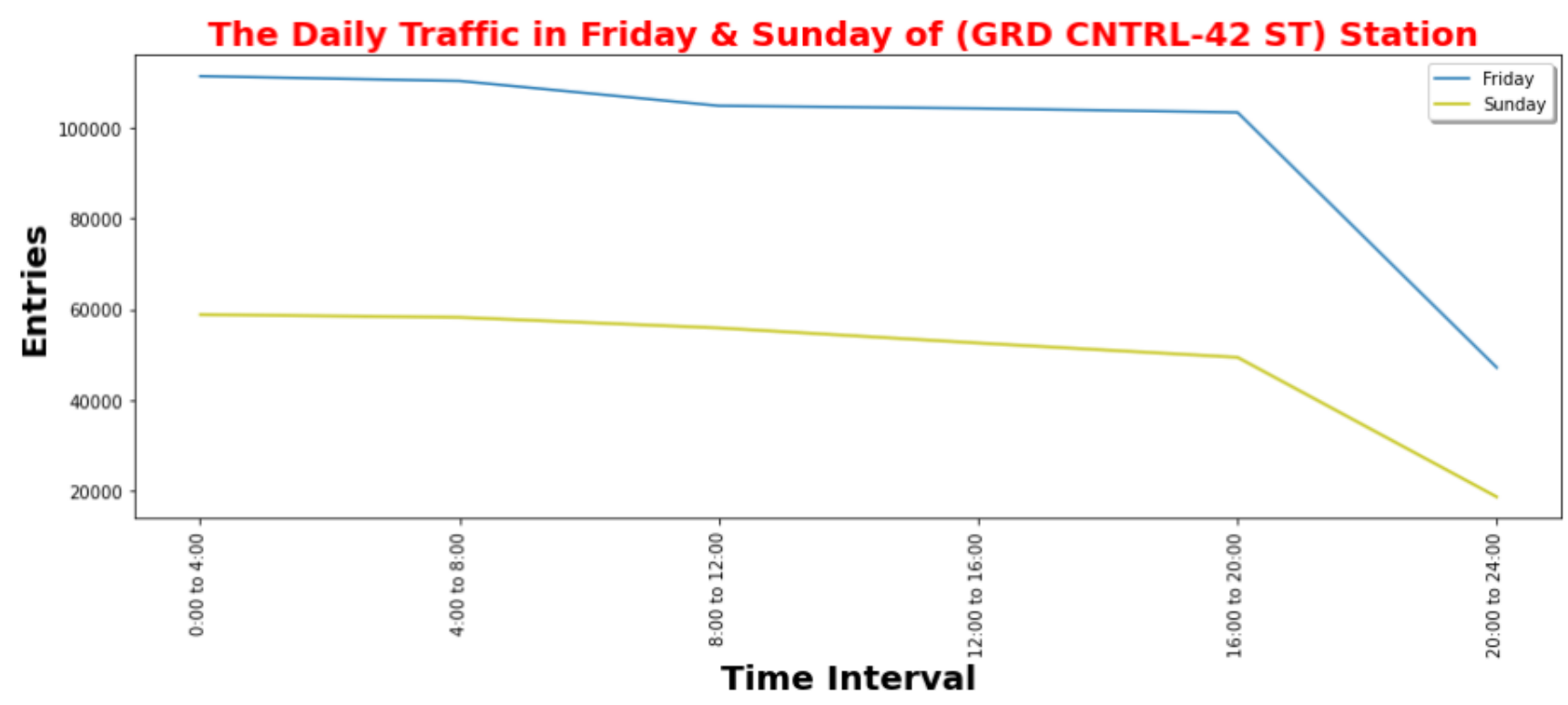
Analysis :

- The Daily Traffic on Friday and Sunday of first t
  Station (34 ST-PENN STA) with Time interval



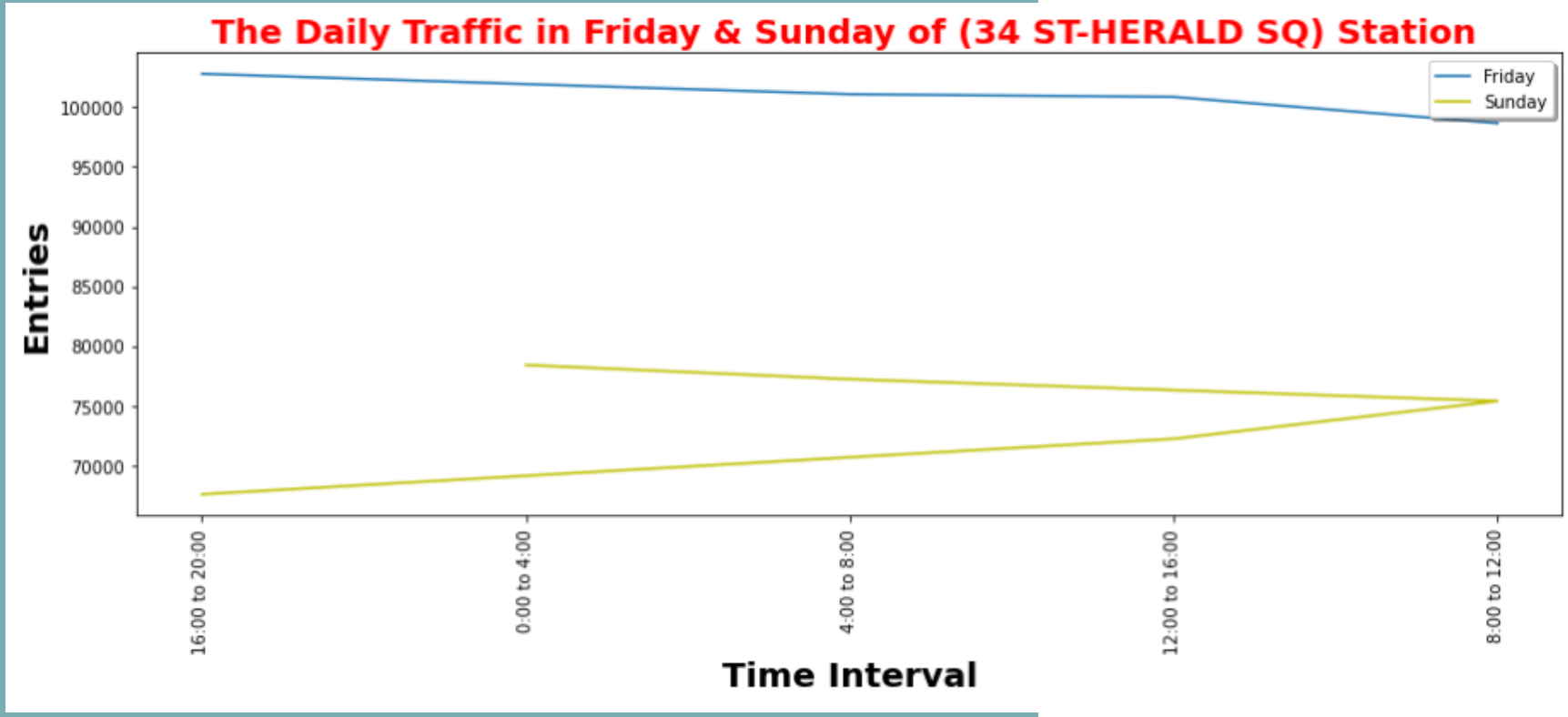
Analysis :

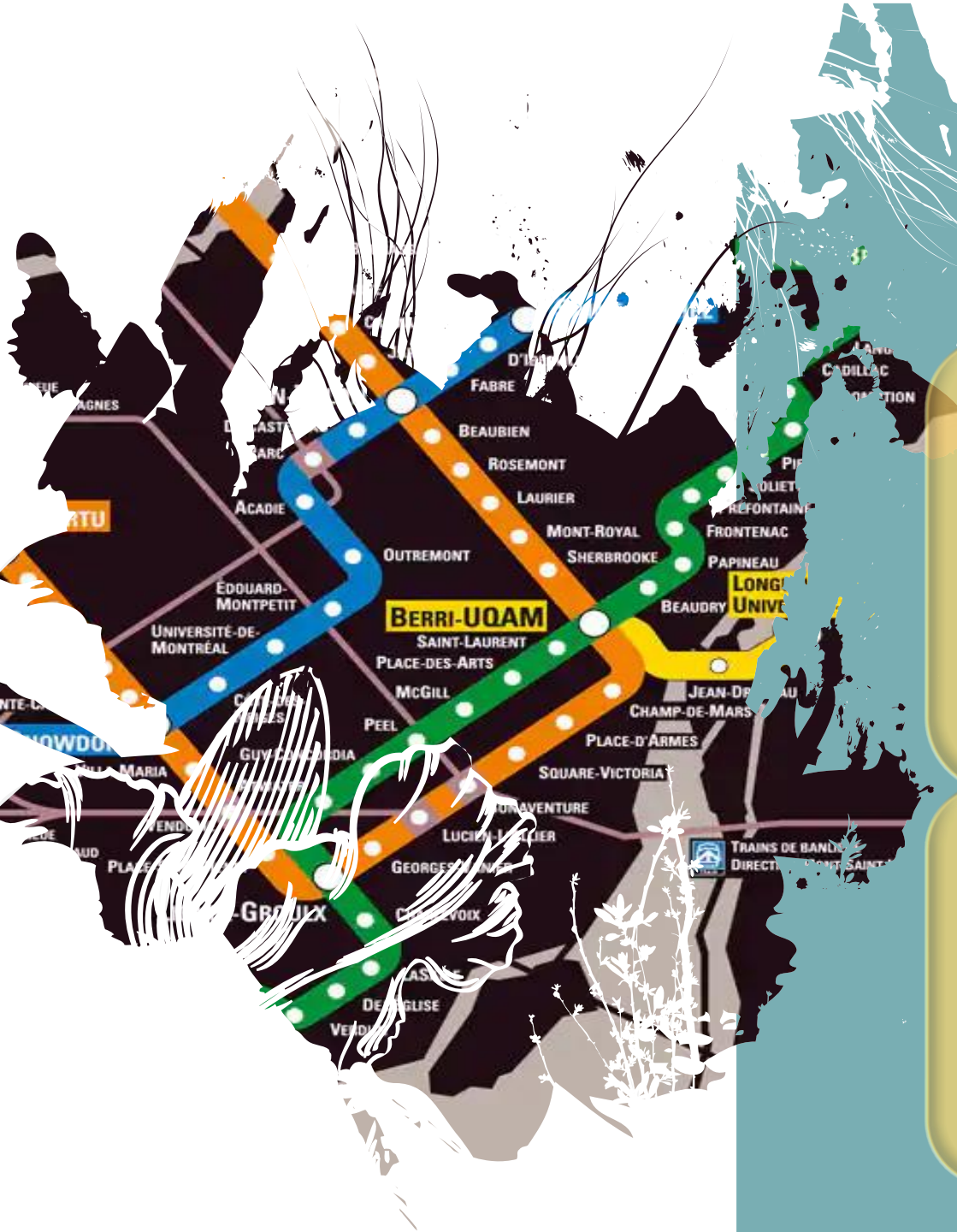
- The Daily Traffic on Friday and Sunday of second top Station (GRD CNTRL-42 ST) with Time interval



Analysis :

- The Daily Traffic on Friday and Sunday of third t
  Station ((34 ST-HERALD SQ) with Time interva

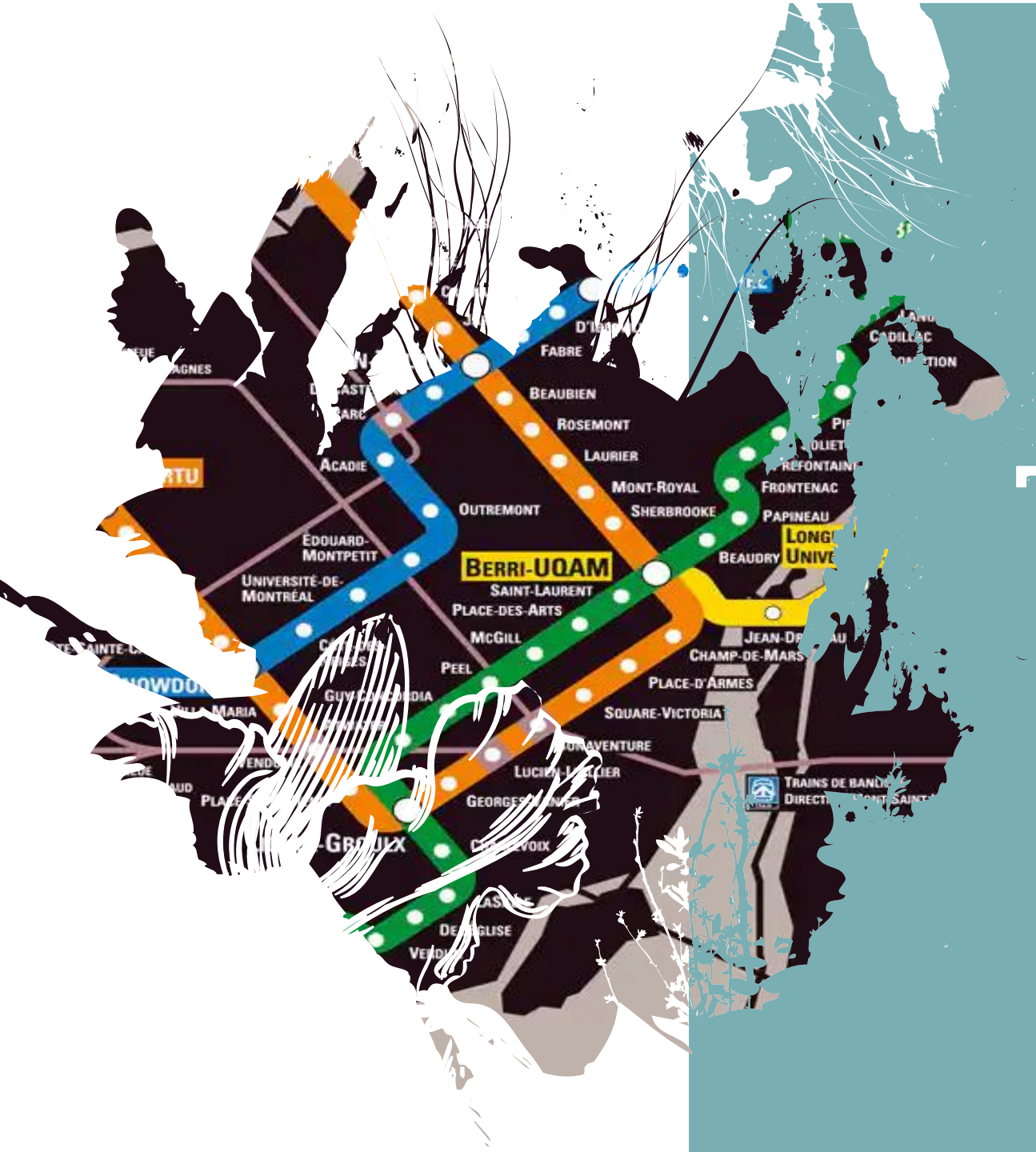




Conclusion :

I will distribute the trucks of blood donors from 12:00 to 20:00 because is always have daily traffic and is suitable time for people back from work.

I hope that as many donors as possible will come to help many patients


FABRE
BEAUBIEN
ROSEMONT
LAURIER
ACADIE
MONT-ROYAL
SHERBROOKE
OUTREMONT
FRONTENAC
PAPINEAU
BEAUDRY
EDOUARD-MONTPETIT
UNIVERSITÉ-DE-MONTRÉAL
BERRI-UQAM
SAINT-LAURENT
PLACE-DES-ARTS
MCGILL
PEEL
CHAMP-DE-MARS
PLACE-D'ARMES
SQUARE-VICTORIA

Thank You