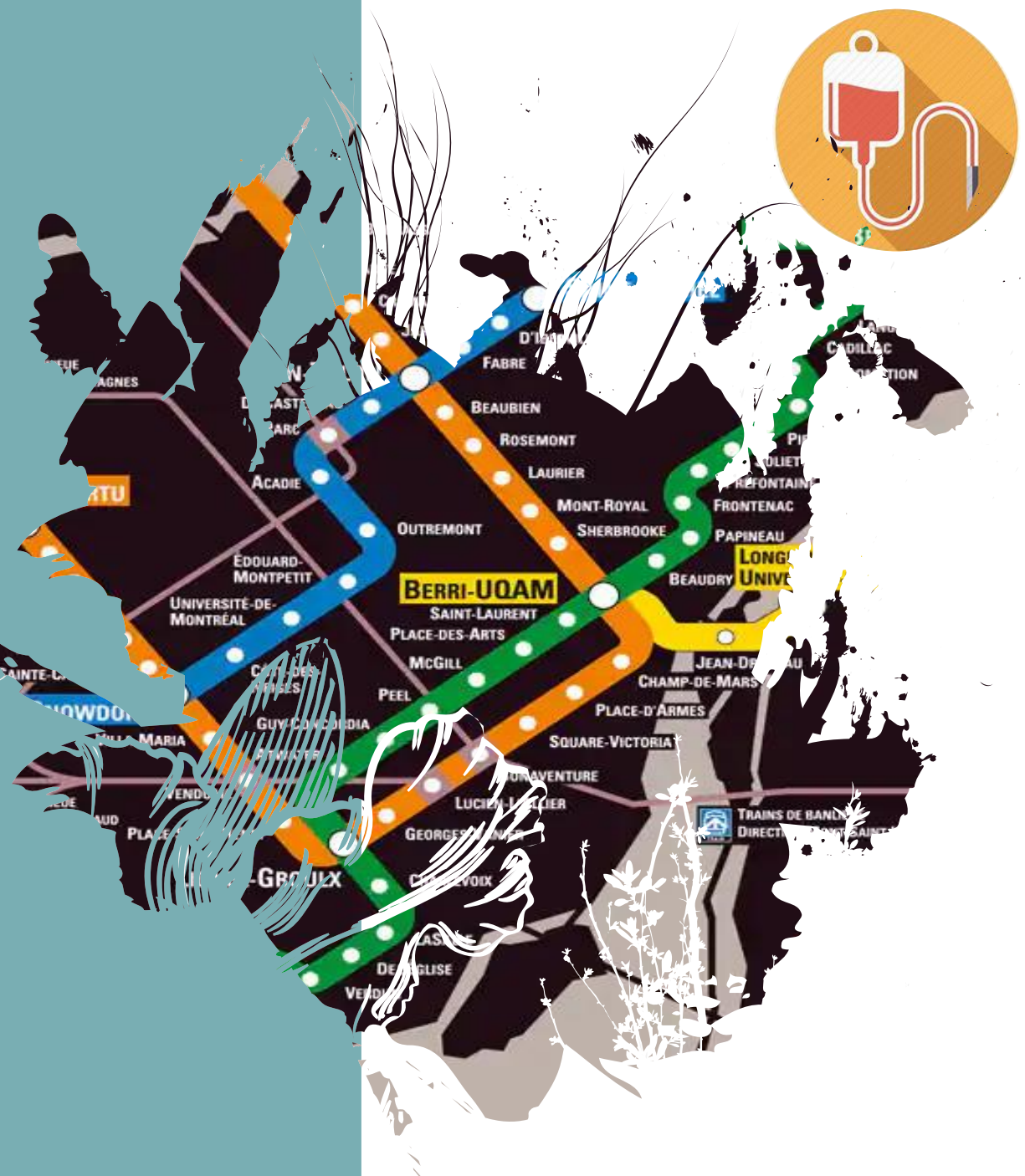
# *MTA Data analysis of New York Subway with Blood Donate trucks*

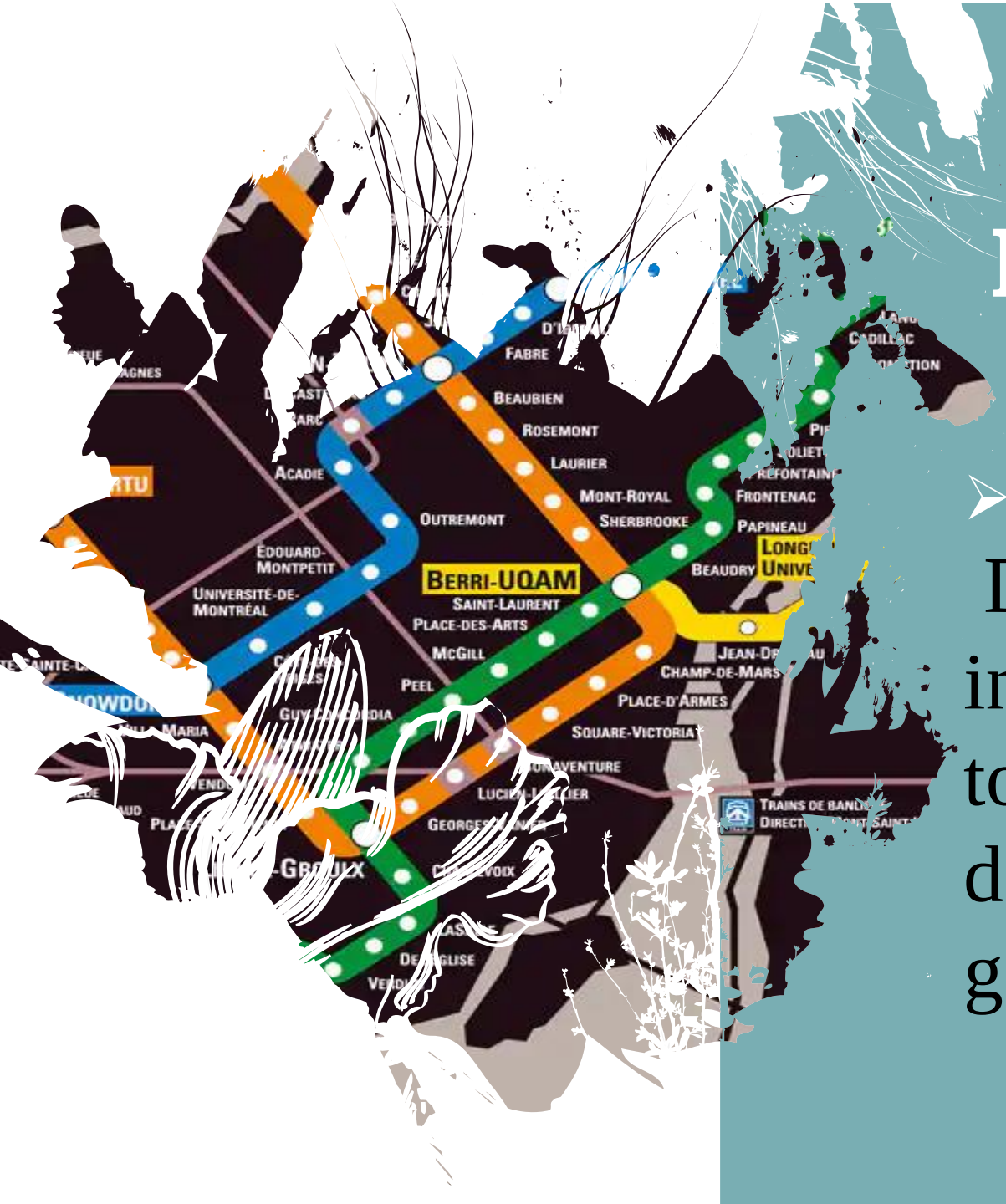
By: nada alqabbani




# Project Background :

➢ Problem:

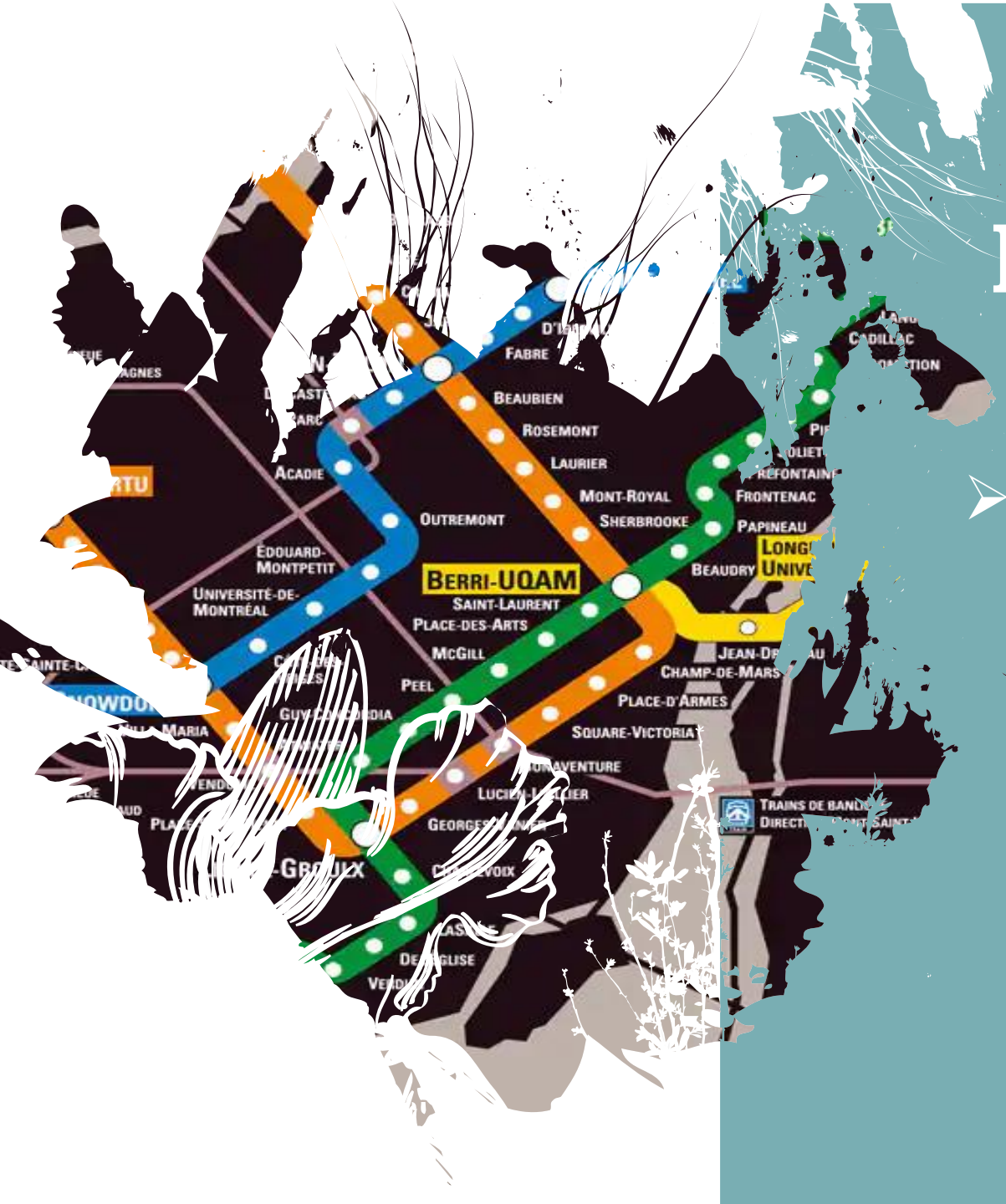
A some of common problem in the world is the need for blood donors to help patients. So, I want to take advantage of the crowded on the subway for collect a largest numbers of donors




# 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.

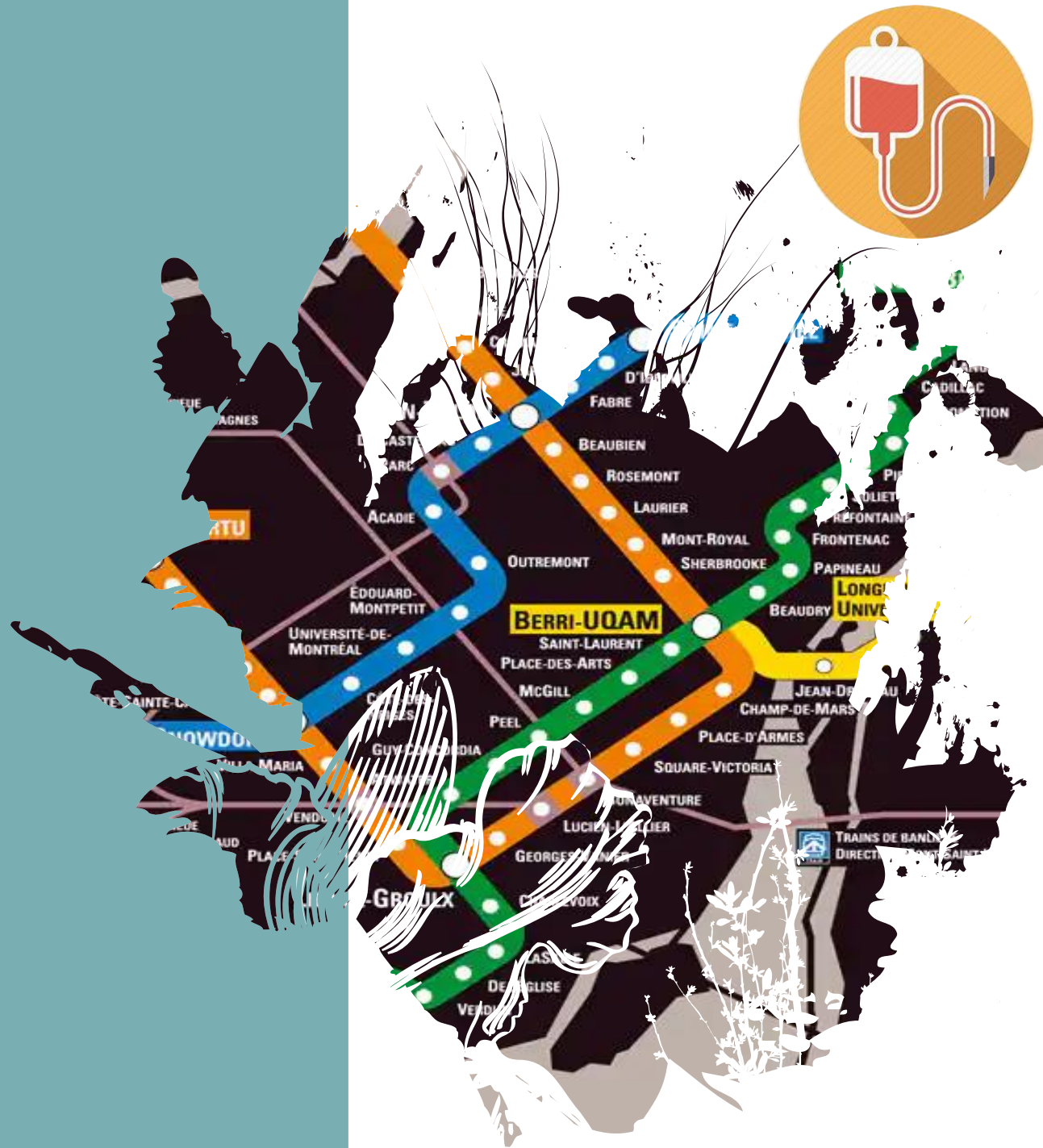



# Project Background :

- **Assumption**
  - I assumption when i choice the most station crowded 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.

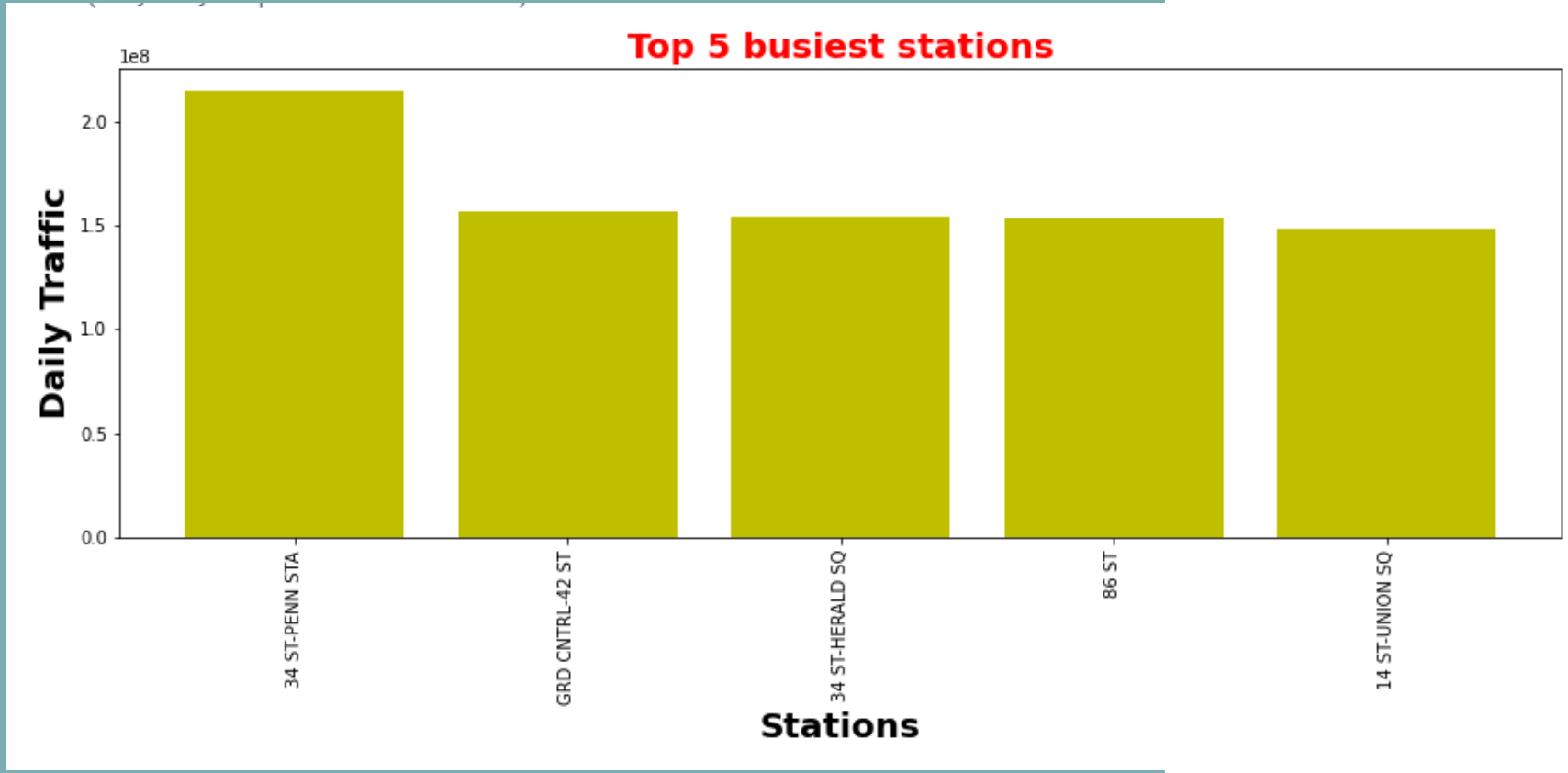
# Data Source :

- MTA Data base
- August , September / 2021
- December / 2020
  - **Tools:**
    - Pandas
    - Numpy
    - SQLalchemy
    - Matplotlib
    - Seaborn
    - datetime



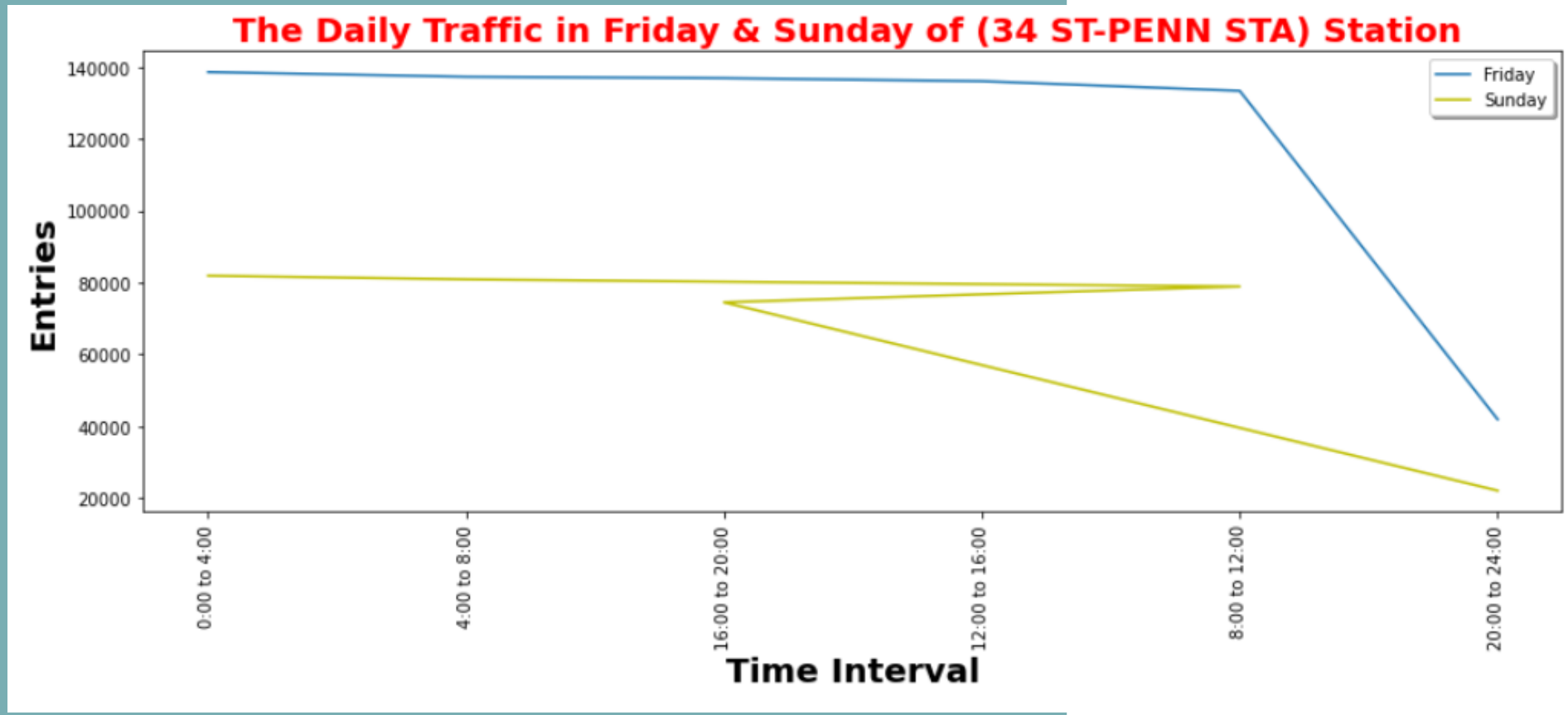
# Analysis :

- I choicest  the Top 5 Station to distribute Blood Donate trucks



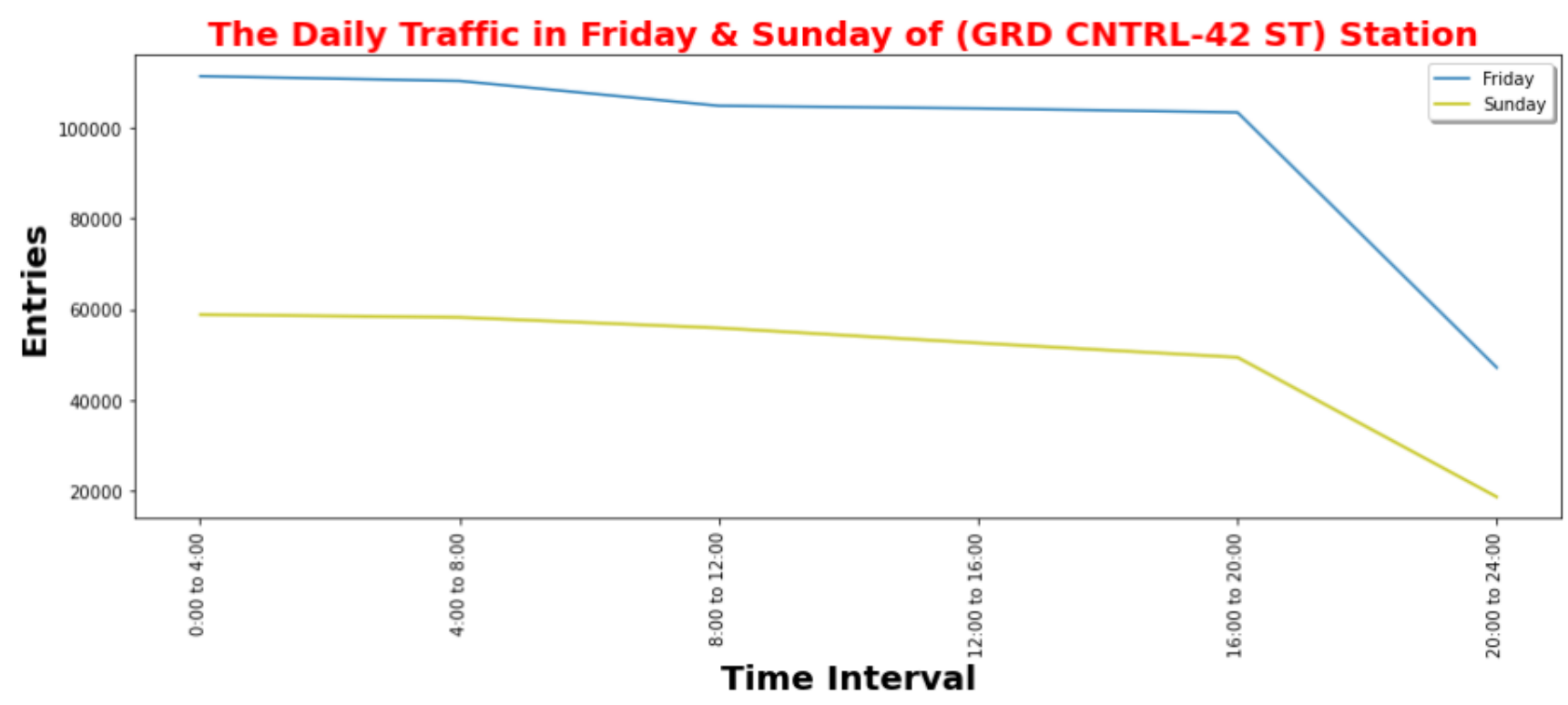
# Analysis :

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



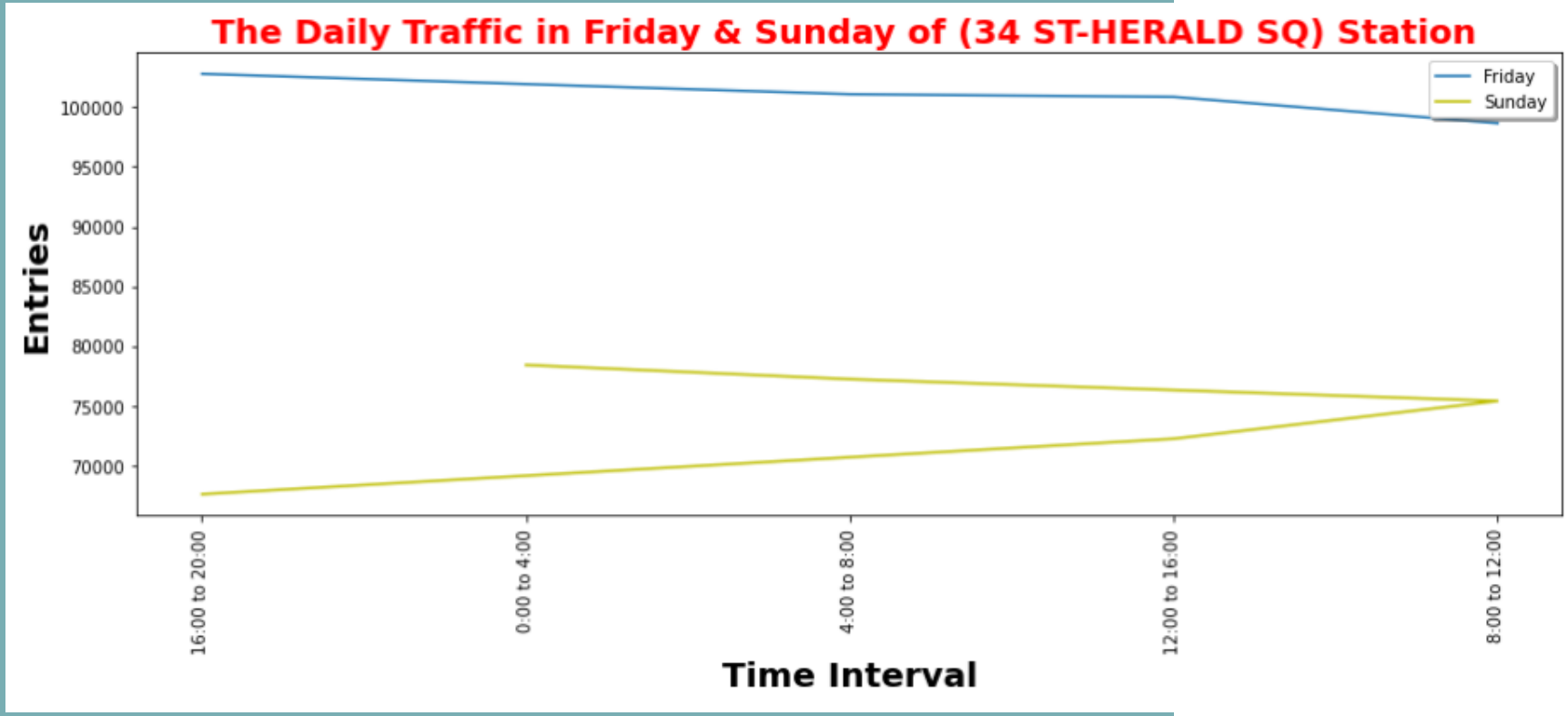
# Analysis :

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



# Analysis :

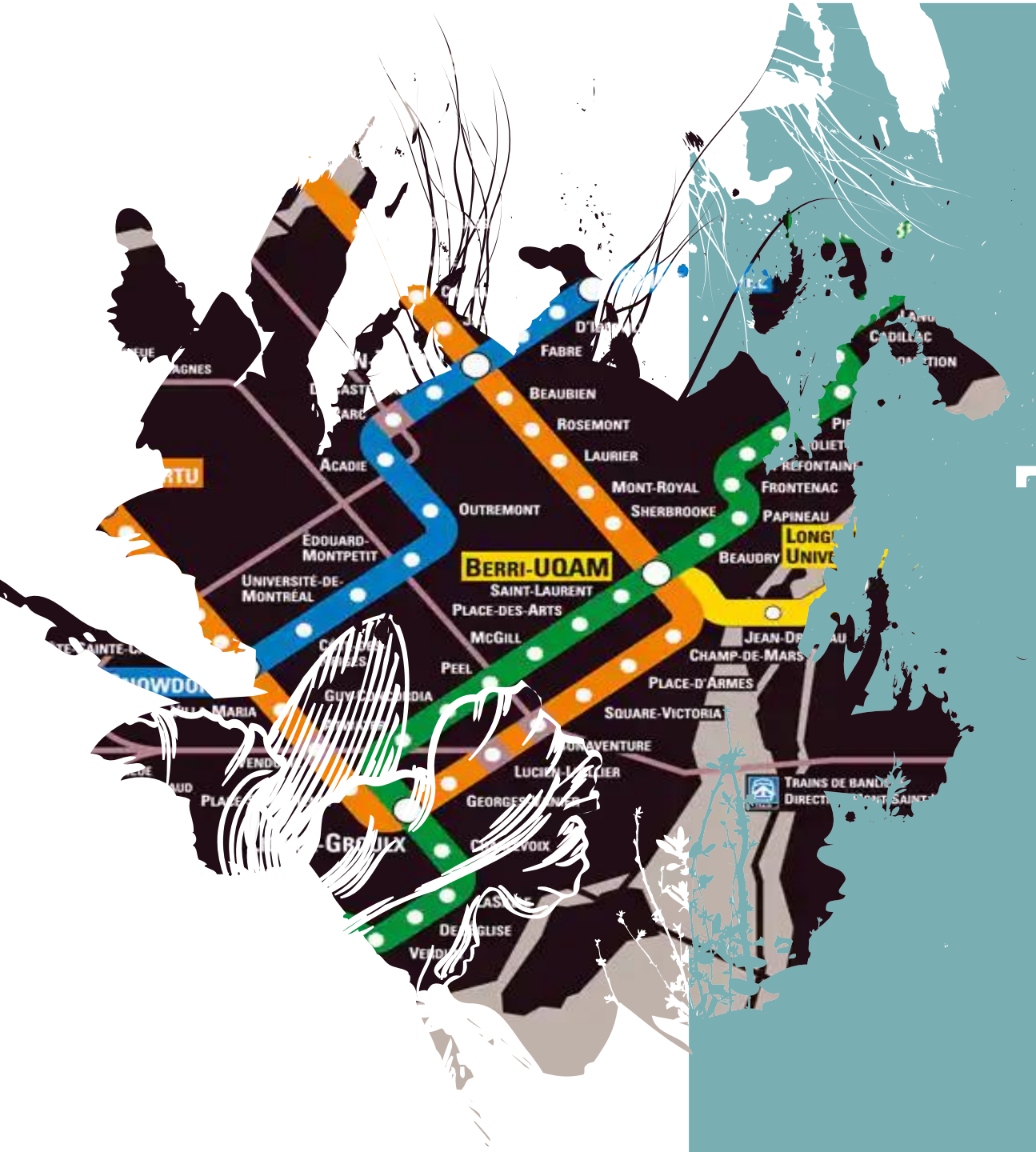
- The Daily Traffic on Friday and Sunday of third top Station ((34 ST-HERALD SQ) with Time interval




# 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
MARIA
DE L'ÉGLISE

# Thank You