**FROM ZACH**

*(04/10)*

CTA has a bunch of data sets that we could possibly use. We might have to use a couple of them and combine them though because they only have a few columns each, but they have a lot of data. This one has ridership of CTA by station going back to 2001 as an example:

[https://data.cityofchicago.org/Transportation/CTA-Ridership-L-Station-Entries-Daily-Totals/5neh-572f/about\_data](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdata.cityofchicago.org%2FTransportation%2FCTA-Ridership-L-Station-Entries-Daily-Totals%2F5neh-572f%2Fabout_data&data=05%7C02%7CLCHAVE28%40depaul.edu%7C0183766d44dd49983dfd08dc5991e529%7C750d3a3f1f464da28a647605e75ea2f9%7C0%7C0%7C638483730343497959%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=UksxmmlWW78iVMl7IhY8lxSIuzTfpYlwXaAm6FZgrEU%3D&reserved=0)

They have more data here for bus etc.:

[https://www.transitchicago.com/data/](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.transitchicago.com%2Fdata%2F&data=05%7C02%7CLCHAVE28%40depaul.edu%7C0183766d44dd49983dfd08dc5991e529%7C750d3a3f1f464da28a647605e75ea2f9%7C0%7C0%7C638483730343516788%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=BYXnPAOlEYAX%2FMdk3s0ucAYxNwpkJ5NycUyBRhC%2FGG0%3D&reserved=0)

I also found these ones. One is data on train delays and performance on the East Coast and the other is data on mechanical parts used to predict when maintenance is required on trains.

[https://www.kaggle.com/datasets/pranavbadami/nj-transit-amtrak-nec-performance?select=2020\_05.csv](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.kaggle.com%2Fdatasets%2Fpranavbadami%2Fnj-transit-amtrak-nec-performance%3Fselect%3D2020_05.csv&data=05%7C02%7CLCHAVE28%40depaul.edu%7C0183766d44dd49983dfd08dc5991e529%7C750d3a3f1f464da28a647605e75ea2f9%7C0%7C0%7C638483730343541081%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=no%2F4aX5WQUQDcRyalyCunxiHNP26q1Yc5A%2F%2FzpGu3V0%3D&reserved=0)

<https://archive.ics.uci.edu/dataset/791/metropt+3+dataset>

**LUCY**   
*(04/13)*

Potential Topics

1. **Transportation**
   1. *Task:* Analyze ridership data, schedules, and routes
   2. *Narrative/Problem Addressed:* To optimize transportation systems for efficiency and accessibility
   3. *Task:* Analyze traffic data to identify traffic patterns, congestion spots
   4. *Narrative/Problem Addressed:* Propose solutions for improved traffic management
2. **Urban Development**
   1. *Task:* Explore data on housing prices, income levels, demographic factors, housing market trends
   2. *Narrative/Problem Addressed:* Identify patterns and forecast future developments (ex: The 78, Lathrop Homes Redevelopment)
3. **Smart City Initiatives**
   1. *Task:* Investigate datasets from IoT (Internet of Things) sensors, smart meters, etc.
   2. *Narrative/Problem Addressed:* Optimize urban infrastructure and services such as waste management, lighting, public safety, and more (ex: Seeb Smart City)