Tasks for SciServer:

1) Import data from public website (mostly from Opendata Baltimore)
   Similar to what we did for NYC Schools
   See dataset list below
2) Create SQL database with all of the data with spatial identifiers
   Similar to what we did for NYC Schools
3) Write some sample SQL queries to do spatial joins of various datasets
4) Use Python to estimate routes with GTFS schedule data between student addresses and schools
   There are existing packages that should be able to help with this, but we need to figure out how to use them

Public Data Sources:

Name	Description	Source	Approximate Size
Baltimore City Police Department Part 1 Victim Based Crime Reports	All reported incidents with time, location, and type	Opendata Baltimore API	Rows 342K Columns 16
Baltimore City Police Department Arrests	All reported arrests with time, location, and type	Opendata Baltimore API	Rows 46.1K Columns 17
Baltimore City Police Department 911 Calls	All reported 911 calls with time, location, and type	Opendata Baltimore API	Rows 4.17M Columns 8
Baltimore City Information and Technology Non-emergency Service Requests	All 311 calls for service with time, location, and type	Opendata Baltimore API	Rows 3.48M Columns 22
Housing Authority of Baltimore Vacant Buildings List	Location of vacant buildings	Opendata Baltimore API, Tamas?	Rows 16.7K Columns 9
National Oceanic and Atmospheric Administration Daily Weather Reports	Daily Temperature and precipitation totals from BWI airport	NOAA (not available for direct python download)	Less than 50MB
Baltimore City Schools Locations	Point data for all Baltimore Public High Schools	Opendata Baltimore API	Less than 50MB
Maryland Schools Report Card	School-level demographics, attendance, and achievement for all high schools	Maryland Department of Education (not available for direct python download)	Less than 50MB