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GIS101: Intro to GIS

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Suitable Cities for MLB Expansion Teams

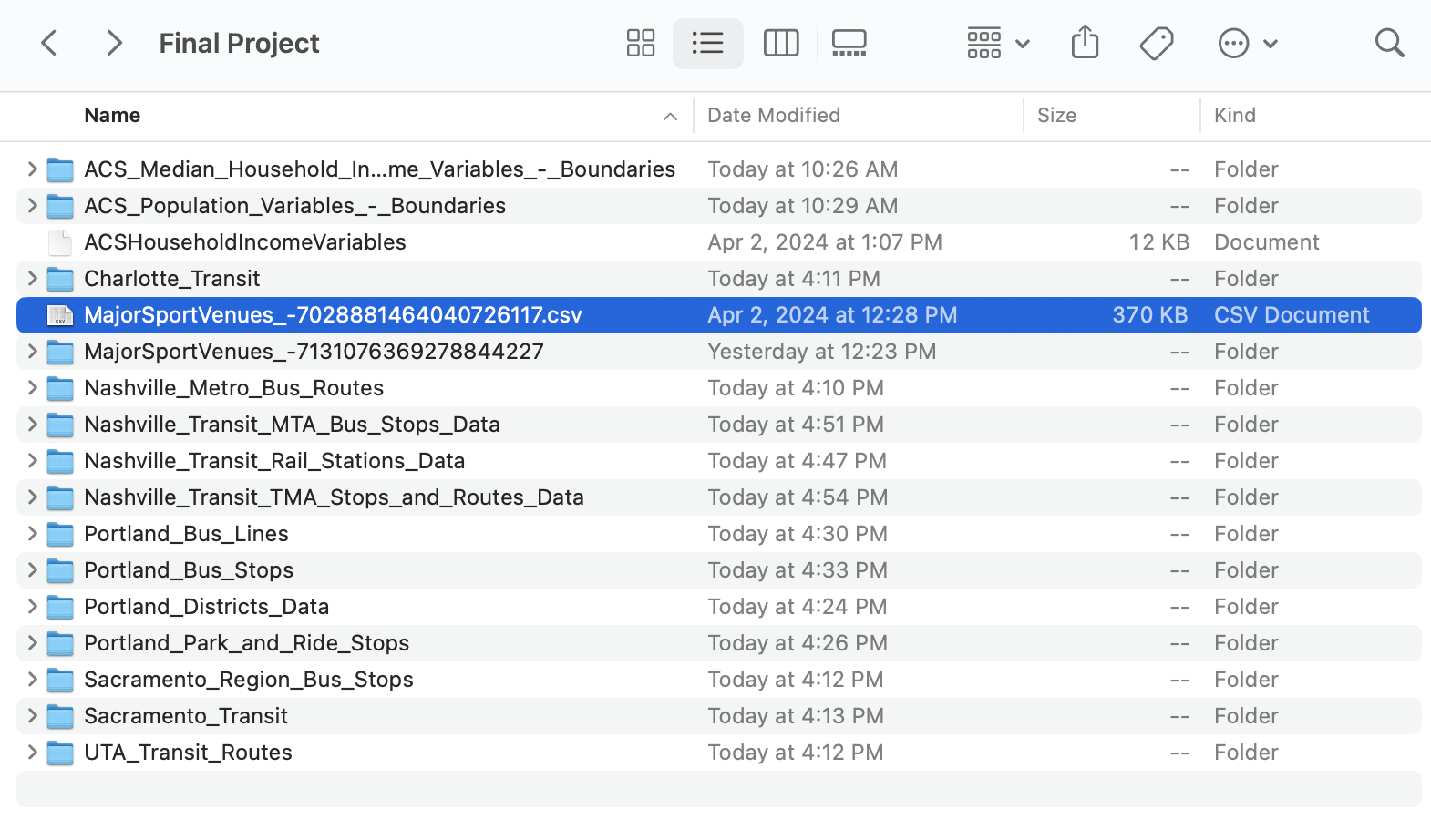
**Background and Description**

For my final project, I have decided to find potential cities in the United States that could comfortably and properly host a new MLB Expansion team. After doing some research I have narrowed down my search to find fitting and potential candidates (Nashville, TN, Charlotte, NC, Salt Lake City, UT, Portland, OR, and Sacramento, CA). Through exploring the complex interactions of each of these cities' infrastructure, economics, sports culture, and demography, I have decided to choose these cities in particular because I believe they can provide opportunities and markets that can help the league thrive with the addition of teams in the MLB in these specific locations. A majority of my data is centered on city infrastructure and transit, economic background, population base, and surrounding sports and entertainment culture. This data helps to answer my specific spatial question: Which cities or towns possess the optimal combination of population demographics, economic stability, existing sports culture, and infrastructure to support the successful establishment of an MLB expansion team? By identifying these potential host cities that contain the right mix of factors conducive to team success, I believe that the league could ensure the long-term viability and profitability of new franchises in these areas while expanding its overall fan base and market reach.

**Datasets for Project**

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| File Name | Source | Type of Data | Description |
| Major Sports Venues | (Homeland Infrastructure Foundation - Level Data (HIFLD)) | Point Data  (Vector) | locations of major sports venues and information about each facility |
| ACS Median Household Income | Census.gov | Polygon Data  (Vector) | median household income by race and by age of householder shown by tract, county, and state boundaries |
| ACS Population Variables | Census.gov | Polygon Data  (Vector) | most current release of data about total population count by sex and age group shown by tract, county, and state boundaries |
| Nashville Metro Bus Routes | ArcGIS Online | Line Data  (Vector) | Routes of metro bus routes in Nashville, TN |
| Nashville Transit | ArcGIS Online | Point Data  Line Data  (Vector) | rail lines, stations, and routes for Nashville transit |
| Charlotte Transit | ArcGIS Online | Line Data  Point Data  (Vector) | Charlotte Area Transit System (CATS) rail stations, routes and bus stops and routes |
| UTA Transit Routes | ArcGIS Online | Point Data  Line Data  (Vector) | UTA Commuter Rail, Light Rail, Local Bus routes and Commuter Rail & Light Rail Stations. |
| Portland Oregon Transit | ArcGIS Online | Point Data  Line Data  Polygon Data  (Vector) | Bus stops, buslines, park and ride lots, transit centers for Portland, OR as well as census tract data for 20 districts (most likely won’t be used) |
| Sacramento Transit | ArcGIS Online | Point Data  Line Data  (Vector) | Sacramento Regional Transit (SacRT) and Bus (Etrans) stops and routes in Sacramento area |
| Sacramento Region Bus Stops | ArcGIS Online | Point Data  (Vector) | Locations of bus stops in Sacramento, CA area |

**Screenshots of Downloaded Data**

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