



## Data gathering

1. Download files from US census data as CSV
2. Upload files into Azure blob containers
3. Use an Azure data factory power query to format some problematic census data
4. Return formatted census data to blob container
5. Use data factory pipeline to allow for automated runs of azure databricks
6. Scrape data from internet in databricks
7. Import CSV files from blob containers
8. Run Kafka producers and consumers in databricks
9. Output data from any imported, scraped or consumed to azure data lake and azure SQL databases
10. Continue data factory pipeline and copy data from data lake to sql database
11. Import data from databases in PowerBI and apply machine learning with Python in PowerBI

