

Assignment #3

Assignment Submission:

Submit your assignment on Blackboard as a SINGLE ZIP file that has

1. PDF document for the requirements listed below.
2. The Visio file that has the diagrams for the requirements listed below.

Project Overview Statement:

After you review and analyze the requirements specification document for **Chicago Business Intelligence for Strategic Planning** project, provide your answers for the deliverables listed below.

Assignment Deliverables:

Submit your assignment as a single PDF document that has the following:

1. List all **use-cases** (brief format) and **actors**; you must have at least 15 use-cases
2. Create the UML **Use-Case** Diagram
3. Create the UML **Activity Diagram** for plotting the unemployment rate for every community area.
4. Create a **Sequence Interaction Diagram** that you can pick from the list of potential sequence interaction diagrams for your design model
5. Complete list of **classes** used in your **Design**
6. Complete UML **Design Model/class diagram**

7. All **Visio** Diagrams shall be clearly documented, captured, and saved in the homework you are submitting
8. Create your homework using MS-Word and then generate a PDF file for it; you can download FREE PDF generator to your laptop from <http://cutepdf.com/> or use MS-Word and do save-as PDF format.
9. Inspect all data sources listed in the requirements specification document along with their data attributes and comment on how these data sources will be used to collect/prepare/store the data in the data lake using Postgres database engine for example.
10. Create a matrix to map the requirements listed in the requirements specification document to the use-cases and classes that you have created in this assignment.