**ATC Assignment**

### Data Understanding, Preparation, and EDA

### Data Reading/Data Understanding

### The learner has imported the .json data and created the dataframe from it. The learner also has to read the data and make the initial analysis out of it.

### Data Cleaning

### The learner has to do the data cleaning operations like filtering text, removing missing values &amp; renaming column headers.

### Data Preprocessing

### Data pre-processing steps are done using statistical operations like Lemmatization & POS tagging.

### Data Visualization

### The learner has done the visualization steps for finding the word count distribution & n-gram distribution.

### Feature Extraction and Topic Modelling

### Feature Extraction

### Features are extracted from the data using Td-Idf.

### Topic Modelling

### Topic names are assigned to each complaint

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all this show good effort. good work . . .  .

### Model Building and Evaluation

### Model Building

### Created multiple models using supervised learning

### Model inference

### The learner has applied the best model to predict a custom text to see its performance.

### Coding Guidelines

### Coding Guidelines - Good Practices

### Code readability is good with appropriate indentations

### Comments are used throughout the code to explain commands/steps. Appropriate naming of variables has been done (all model names)

### Concise code and appropriate commands are used instead of lengthy ones