**Ansh Ranjan   
ADF Case Study  
Exercise 3: Data Transformation & Loading for Covid-19 Analysis**

**TASK 1: Use ADF's Mapping Data Flow**

1. Go to Author tab > Data Flow > New Data Flow  
   A screenshot of a computer

   AI-generated content may be incorrect.
2. Go to Author tab > Pipeline > New Pipeline > and grab the Data Flow activity  
   A screenshot of a computer

   AI-generated content may be incorrect.
3. Designing the Data Flow. To use adf’s data flow, for aggregate purpose first we must use derived columns, then aggregate and at last sink in storage which is accessible in databricks notebooks.  
   A screenshot of a computer

   AI-generated content may be incorrect.
4. In derived columns, make columns for date name for which you are going to do analytical process.  
   A screenshot of a computer

   AI-generated content may be incorrect.
5. After creating columns count the no of cases by date and grouping by each region.  
   A screenshot of a computer

   AI-generated content may be incorrect.

TASK 2: Load the transformed data into Azure Databricks for further analysis

1. Launch a Databricks workspace and Launch it
2. Create a new notebook  
   A screenshot of a computer program

   AI-generated content may be incorrect.  
   A screenshot of a computer

   AI-generated content may be incorrect.
3. Creating a visualization based on number of cases per day grouping A graph with a red line

   AI-generated content may be incorrect.