

## Data Collection and Preprocessing Phase

Date	17 June 2025
Team	178047
Project Title	Unemployed Insurance Beneficiary Forecasting
Maximum Marks	2 Marks

### Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

<b>Data Source</b>	<b>Data Quality Issue</b>	<b>Severity</b>	<b>Resolution Plan</b>
Dataset	Presence of null values in some columns	Moderate	Used <code>df.isnull().sum()</code> to identify missing values. Applied <code>df.dropna(inplace=True)</code> to remove rows with nulls, ensuring clean data for modeling.
Dataset	Potential duplicate records	Low	Checked with <code>df.duplicated().sum()</code> . No duplicates found, so no further action required.
Dataset	Inconsistent region/county names	Low	Used <code>df['region'].value_counts()</code> and standardized names if inconsistencies were found.
Dataset	Data type inconsistencies	Low	Verified with <code>df.info()</code> . Converted columns to correct data types as needed (e.g., dates to datetime).