Project Name: Predicting Global Temperature

Develop a machine learning model to predict global temperatures based on historical temperature data from various geographical levels, including global, state, major city, and country-specific records.

Dataset Description:

1. **Global Temperature**
   - **dt**: Date of the recorded temperature.
   - **LandAverageTemperature**: Average land temperature.
   - **LandAverageTemperatureUncertainty**: Uncertainty in the average land temperature.
   - **LandMaxTemperature**: Maximum land temperature.
   - **LandMaxTemperatureUncertainty**: Uncertainty in the maximum land temperature.
   - **LandMinTemperature**: Minimum land temperature.
   - **LandMinTemperatureUncertainty**: Uncertainty in the minimum land temperature.
   - **LandAndOceanAverageTemperature**: Average land and ocean temperature.
   - **LandAndOceanAverageTemperatureUncertainty**: Uncertainty in the average land and ocean temperature.

2. **Global Temperature by State**
   - **dt**: Date of the recorded temperature.
   - **AverageTemperature**: Average temperature for the state.
   - **AverageTemperatureUncertainty**: Uncertainty in the average temperature for the state.
   - **State**: Name of the state.
   - **Country**: Name of the country.

3. **Global Temperature by Major City**
   - **dt**: Date of the recorded temperature.
   - **AverageTemperature**: Average temperature for the major city.
   - **AverageTemperatureUncertainty**: Uncertainty in the average temperature for the major city.
   - **City**: Name of the city.
   - **Country**: Name of the country.
   - **Latitude**: Geographical latitude of the city.
   - **Longitude**: Geographical longitude of the city.

4. **Global Temperature by Country**
   - **dt**: Date of the recorded temperature.

- **AverageTemperature**: Average temperature for the country.
- **AverageTemperatureUncertainty**: Uncertainty in the average temperature for the country.
- **Country**: Name of the country.

Deliverables:

- Source code file from any IDE with all the steps.
- PowerPoint presentation
- Video explaining the tasks you have performed along with insights you have gained for Global Temperature Prediction.

Good luck, and enjoy your journey into the world of data analysis!