**DATA ANALYST NANODEGREE PROGRAM**

**PROJECT #1**

**EXPLORE WEATHER TRENDS**

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1. **Extract data from database**
2. I checked weather Jordan-Amman where I live in by SQL Query:

SELECT \*

FROM city\_list

WHERE country LIKE 'Jordan'

And I got nothing, so I moved to search for country near from Jordan like Syria by SQL Query:

SELECT \*

FROM city\_list

WHERE country LIKE 'Syria'

1. I extracted the data for Syria by SQL Query:

SELECT avg\_temp,year

FROM city\_data

WHERE country LIKE 'Syria'

1. I extracted the data for global between years (1808-2013) as city\_data:

SELECT \*

FROM global\_data

WHERE year BETWEEN 1808 AND 2013

1. **Create Line Chart with Excel**
2. Calculate the moving average within 7 years for Syria data
3. Calculate the moving average within 7 years for Global data
4. Compare Syria temperatures with Global temperatures with Line Chart
5. **MAKE OBSERVATIONS:**
6. Syria weather is hotter than the global temperatures consideration.
7. The temperature in Syria is gradually up in average moving temperature.
8. The temperature is rise over years and can be observed from previous data.
9. The rise of temperatures over years should be consider as important issue for climate changes and regulations should be strict for industries cause these changes.