

Solar Energy Data Analysis and Predictive Modeling: A Case Study On Open Data, KSA.

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Predictive analysis

DHI Analysis

DNI Analysis

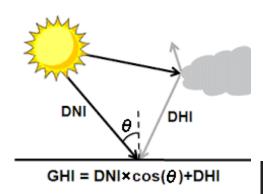
GHI Analysis

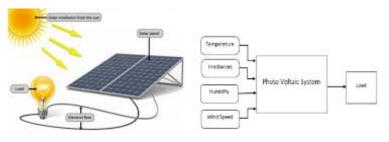
Meterological Impact

GHI plots

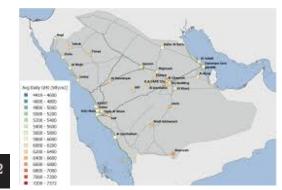
Key Influences1

Key Influences2





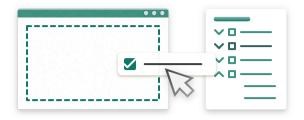




Site	Year	Quarter	Month	Day	Sum of DHI (Wh/m2)	Sum of DNI (Wh/m2)	Sum of GHI (Wh/m2)	Sum of A
Al Baha - University	2019	Qtr 1	January	5	2,730.50	4,082.40	5,895.80	
Al Baha - University	2019	Qtr 1	January	6	2,752.90	4,397.70	6,252.50	
Al Baha - University	2019	Qtr 1	January	7	2,950.10	4,929.20	6,914.60	
Al Baha - University	2019	Qtr 1	January	8	2,624.20	4,751.70	6,362.00	
Al Baha - University	2019	Qtr 1	January	9	2,286.30	6,008.30	6,709.80	
Al Baha - University	2019	Qtr 1	January	10	1,698.90	6,532.60	6,017.50	
Al Baha - University	2019	Qtr 1	January	11	1,546.00	5,047.10	4,554.20	
Al Baha - University	2019	Qtr 1	January	12	1,302.90	6,612.50	4,915.20	
Al Baha - University	2020	Qtr 1	January	1	1,087.90	7,888.50	5,450.10	
Al Baha - University	2020	Qtr 1	January	2	1,902.60	6,379.00	5,930.50	
Al Baha - University	2020	Otr 1	January	3	2.099.50	6.879.20	6.950.00	
Total					1,986,007.85	5,008,132.93	5,352,690.62	

Build visuals with your data

Select or drag fields from the **Data** pane onto the report canvas.







Sum of DHI (Wh/m..

0.1M

0.0M

20



Sum of Latitu.

30

200





Sum of DHI (Wh/m

600

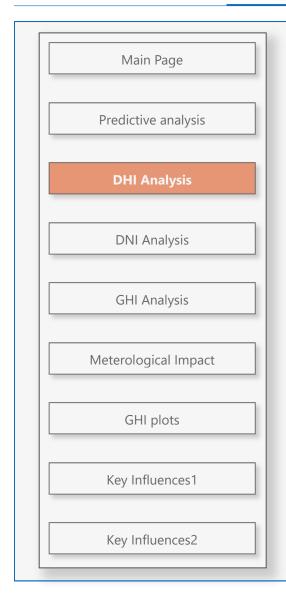
0.1M

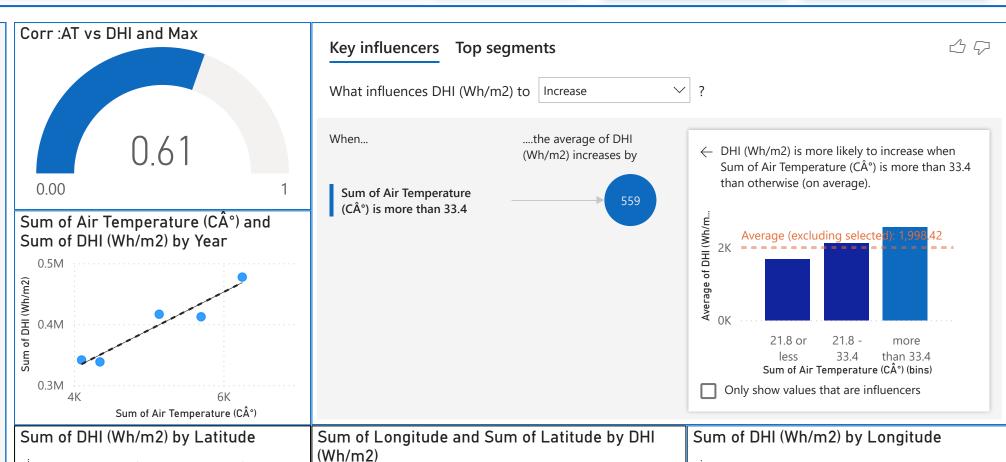
0.0M



50

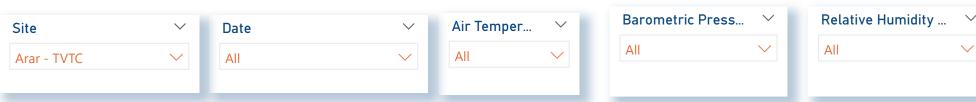
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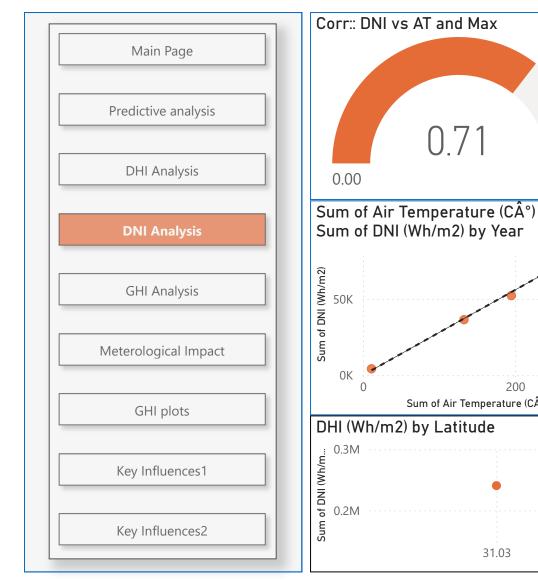


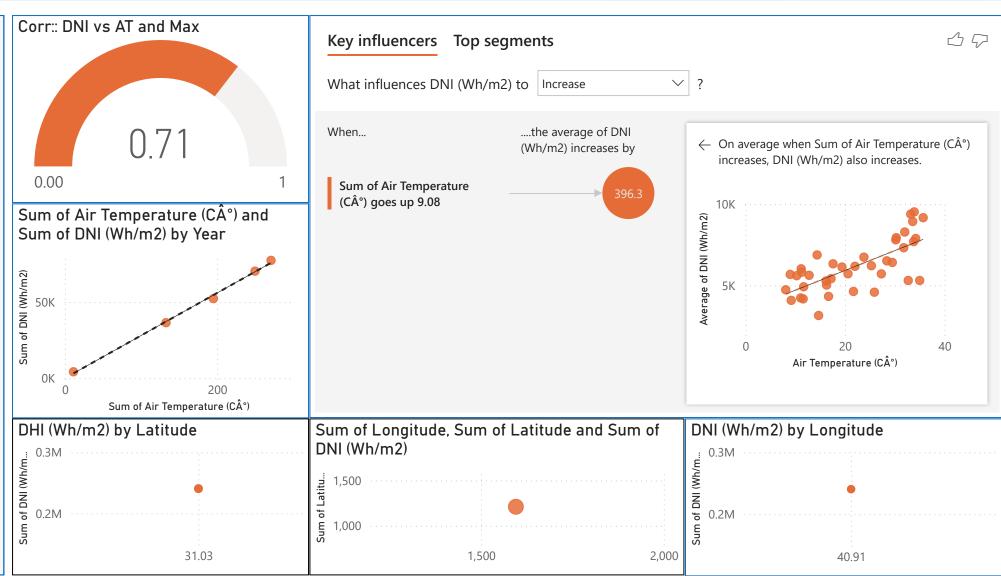


200

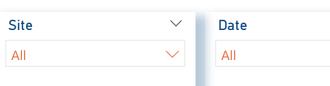








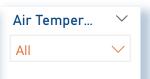




30

20

30K

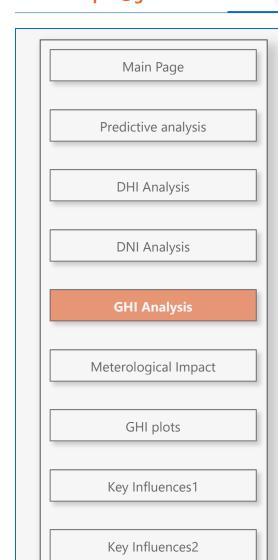


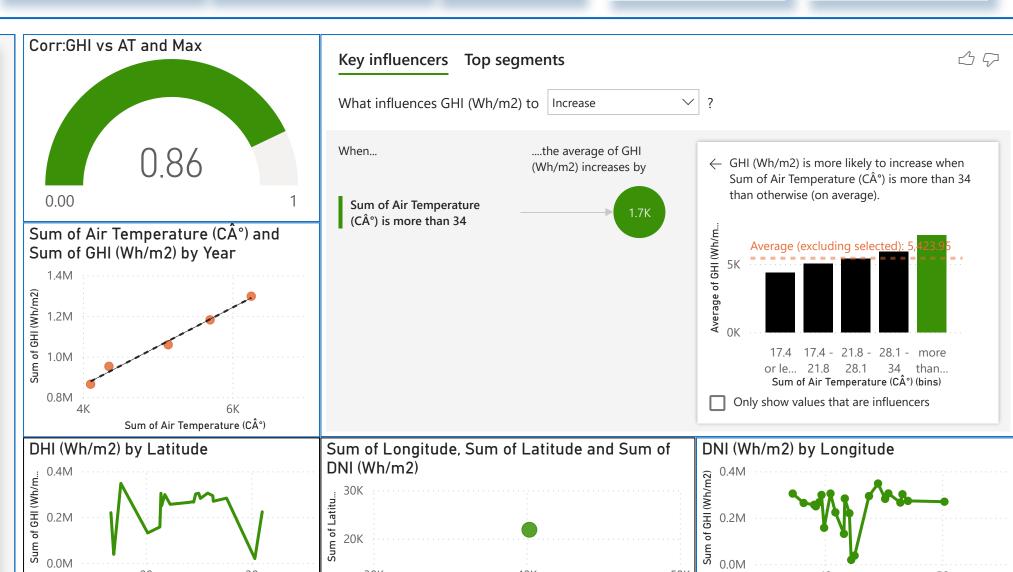


50K



50





40K



Site	~
All	~

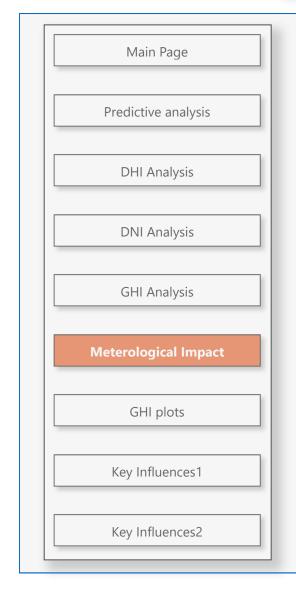


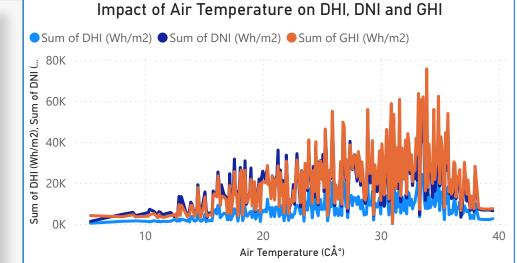


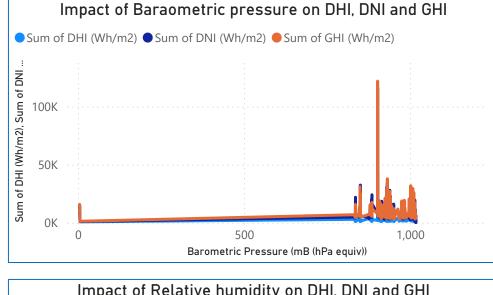


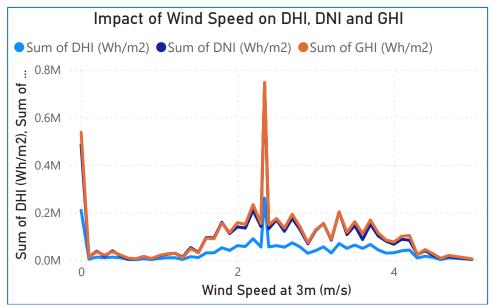


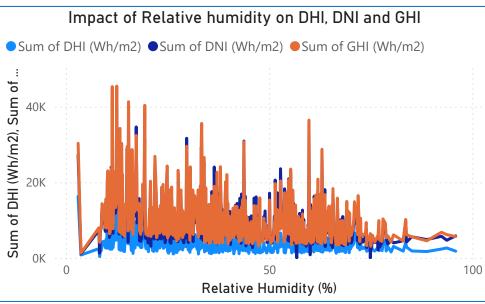
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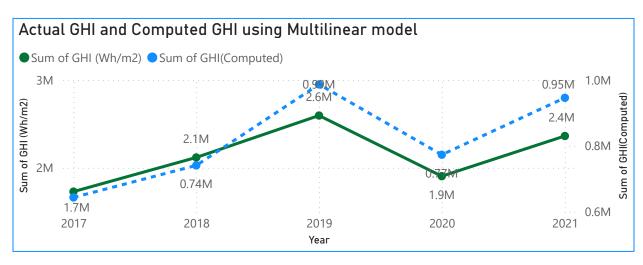


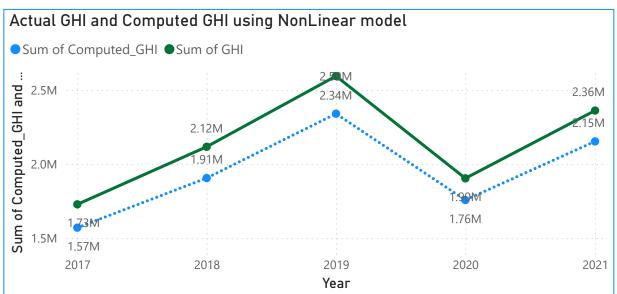


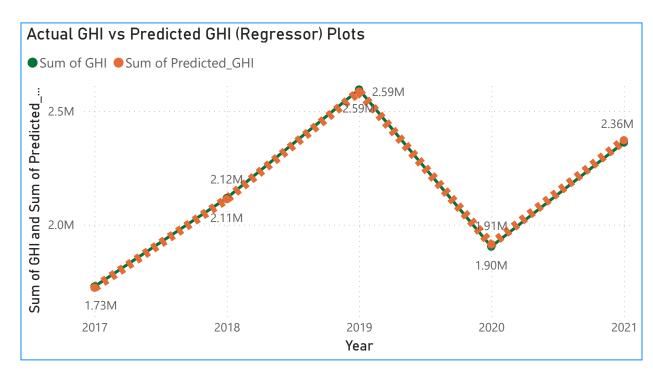


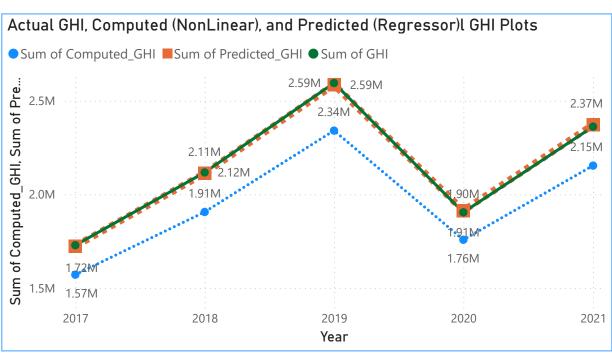






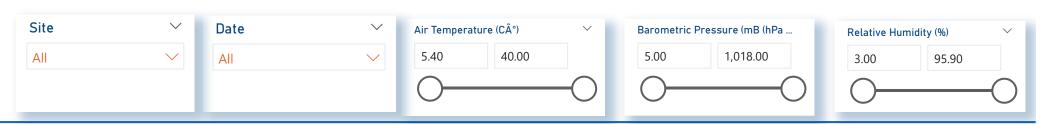


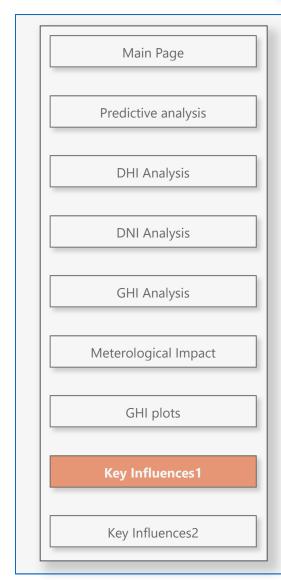


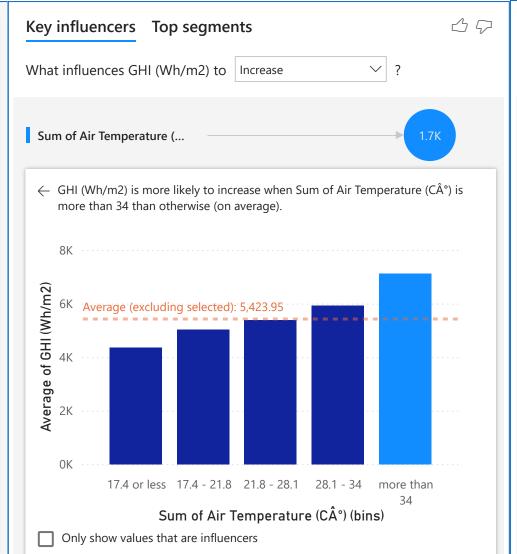


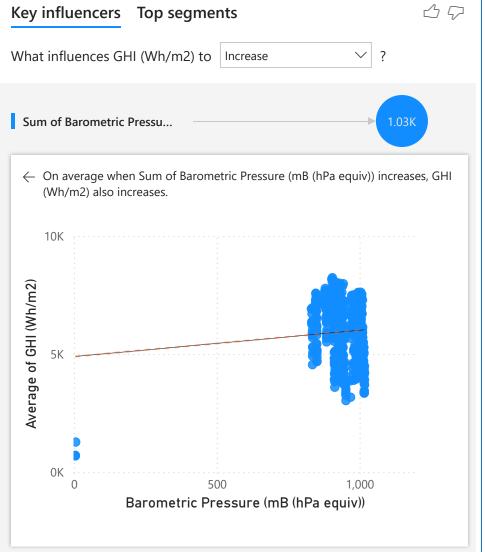


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