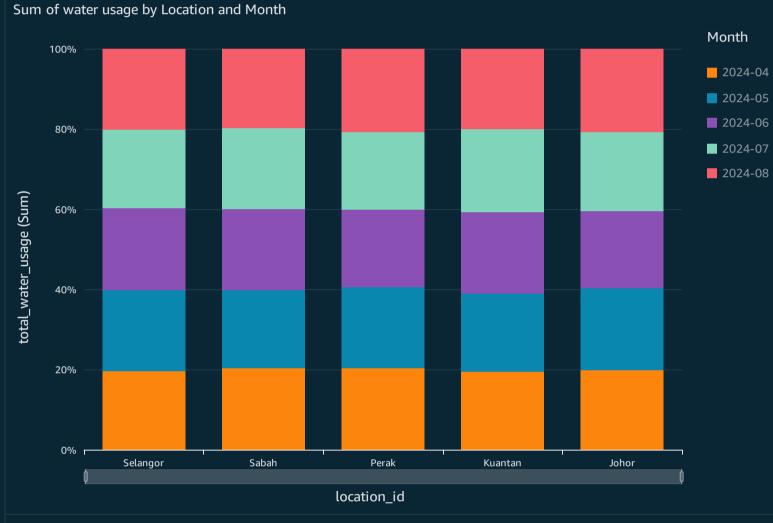
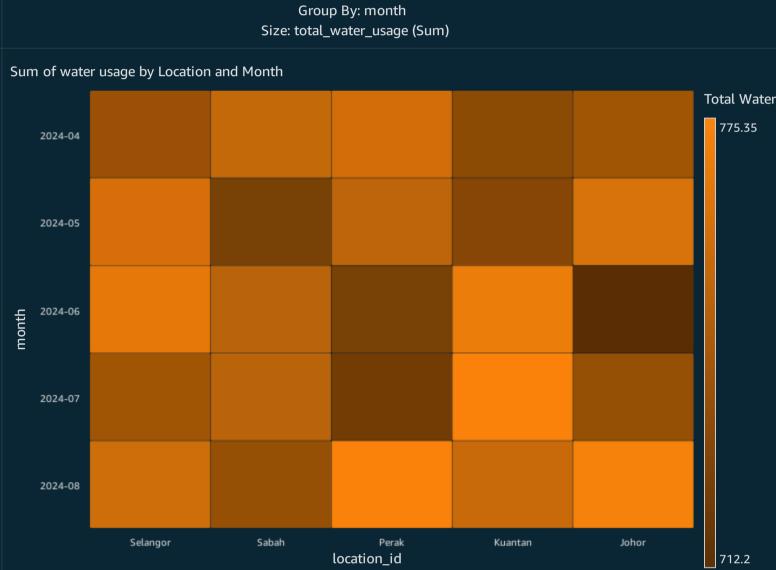
## Smart Irrigation Monitoring and Management System Enhancing Agricultural Efficiency and Sustainability | Optimizing Water Usage, Soil Health, and Crop Monitoring to Improve Farming Outcomes **Bottom Ranked Total Aggregation** Top Ranked Top Ranked Bottom Ranked Total water usage is 18,699.5. Top 3 location\_id for total total\_water\_usage are: Top 3 month for total total\_water\_usage are: Bottom 3 location\_id for total total\_water\_usage are: Bottom 3 month for total total\_water\_usage are: • **Sabah** with 3,715.67 • **2024-07** with 3,723.46 • Selangor with 3,764.94 • **2024-08** with 3,796.98 • **Kuantan** with 3,760.82 • **Johor** with 3,724.31 • 2024-06 with 3,723.91 • **2024-05** with 3,730.57 • 2024-04 with 3,724.58 • **Perak** with 3,733.76 • 2024-04 with 3,724.58 • **Perak** with 3,733.76 Sum of water usage by Month Month 800 **2024-04 2024-05 2024-06** 2024-07 600 **2024-08** total\_water\_usage (Sum) 400 200 Kuantan location\_id Sum of water usage by Month Sum of water usage by Month Month Rows total\_water... soil\_moisture humidity wind\_speed temperature 2024-08 2024-04 3,724.58 9.64 148.63 338.81 50.1 2024-05 2024-07 2024-08 **2**024-04 2024-06 2024-07 2024-05 3,730.57 9.84 149.07 336.72 49.64 18.7K 2024-06 3,723.91 10.14 151.67 337.25 50.77 2024-06 -2024-05 3,723.46 9.9 2024-07 149.9 337.97 49.84 3,796.98 339.56 50.42 2024-04 2024-08 9.93 150.24 Group By: month Size: total\_water\_usage (Sum) Sum of water usage by Location and Month Sum of water usage by Location and Month Month Total Water ...

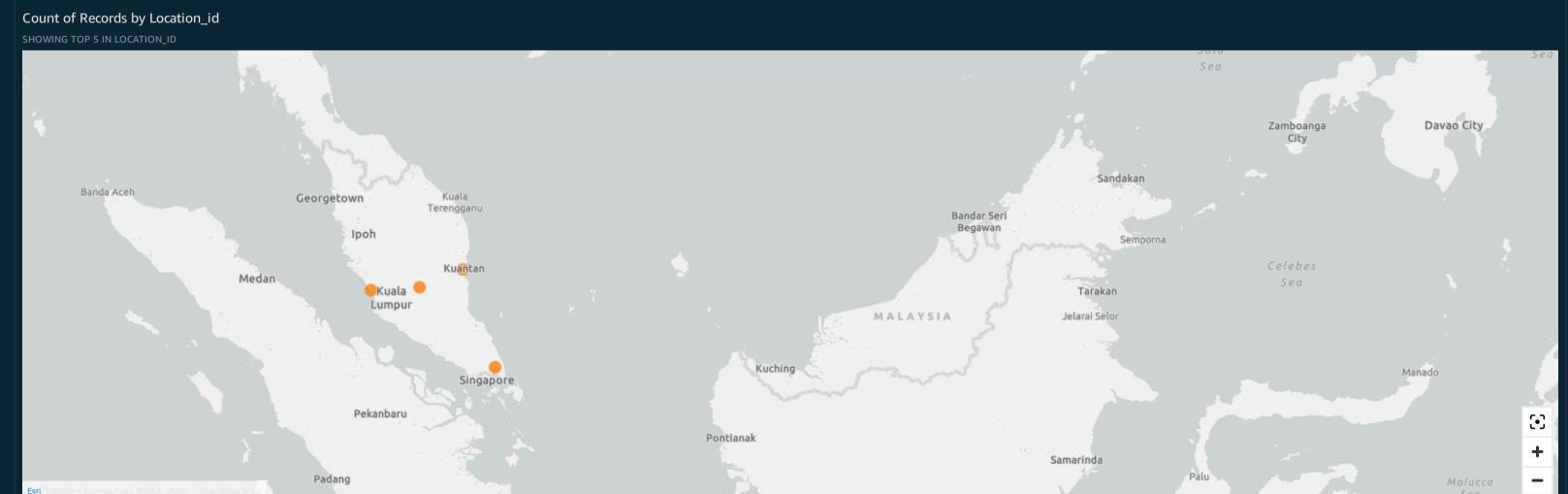


Total\_water\_usage



3,796.98

2024-05 **3,730.57** • 1.78%



Rows	total_water_usage	humidity	soil_moisture	temperature	wind_speed
lohor	3,724.31	50.45	337.29	149.93	9.82
(uantan	3,760.82	50.26	340.29	150.74	10.29
<sup>o</sup> erak	3,733.76	50.09	338.27	150.63	9.68
Sabah	3,715.67	50.23	337.59	148.56	10.19
Selangor	3,764.94	49.74	336.87	149.65	9.47

