Predicting Plant Growth Stages
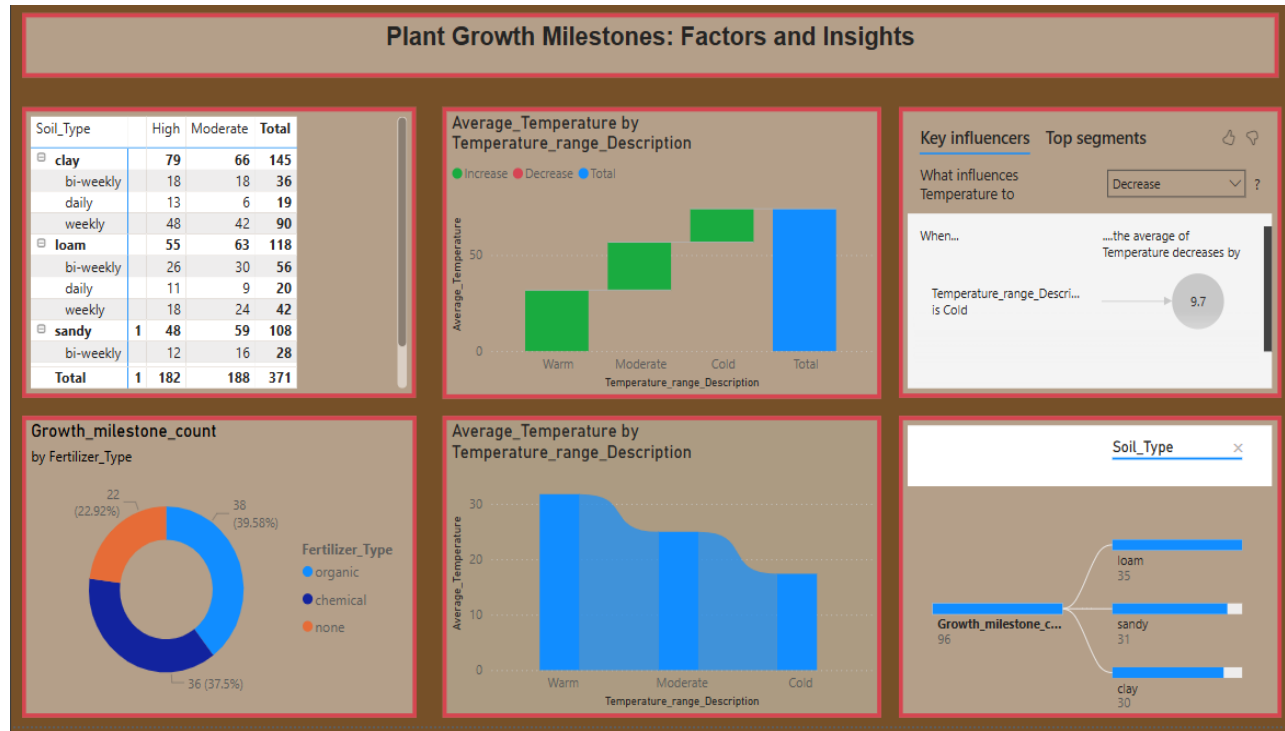
with Environmental and Management Data Using Power BI

Dashboard

Plant Growth Milestones: Factors and Insights

Soil_Type	High	Moderate	Total
⊟ clay	79	66	145
bi-weekly	18	18	36
daily	13	6	19
weekly	48	42	90
⊟ loam	55	63	118
bi-weekly	26	30	56
daily	11	9	20
weekly	18	24	42
⊟ sandy	1 48	59	108
bi-weekly	12	16	28
Total	**1 182**	**188**	**371**

Average_Temperature by Temperature_range_Description

Key influencers   Top segments

Growth_milestone_count by Fertilizer_Type

Average_Temperature by Temperature_range_Description

Report:

Average-sunlight_hours
6.83

Average_Temperature
25.08

Average_Humidity
58.10

Average-sunlight_hours by Soil_Type

Report

At 74.02. Humid had the highest Average Humidity and was 79.53% higher than Dry, which had the lowest Average Humidity at 41.23.

Humid had the highest Average_Humidity at 74.02, followed by Moderate at 60.10 and Dry at 41.23.

Moderate had 60.10 Average Humidity, Dry had 41.23, and Humid had 74.02.

Temperature_Range_Description contributed the most to the Decrease of Temperature. When Temperature Range Description was Cold, Temperature Decreased by 9.70.

clay had the highest Average of Sunlight_Hours at 7.27, followed by sandy at 6.76 and loam at 179

At 54, Moderate had the highest Growth Milestone Count and was 260.00% higher than Humid, which had the lowest Growth_Milestone_Count at 15.

Growth_milestone_count by Humidity_level_Description

Growth_milestone_Percentage by Water_Frequency

Growth_milestone_count