

Interpretation of Prediction Results (SWL_T - Satisfaction With Life Score)

Predicted SWL_T Values:

[19.1, 31.76, 25.31, 26.07, 27.21]

Meaning of SWL_T:

SWL_T represents the Satisfaction With Life Total Score. Higher values indicate greater life satisfaction, while lower values suggest dissatisfaction.

Results Analysis:

19.1 (Low Satisfaction): This score suggests that the individual may not be very satisfied with life. They could experience anxiety, depression, or other negative emotions.

31.76 (High Satisfaction): This score indicates that the person is highly satisfied with life. They likely have a good psychological state and a sense of well-being.

25.31 - 27.21 (Moderate Satisfaction): These values suggest a neutral or moderate level of life satisfaction. The individual does not experience extreme emotions regarding their life satisfaction.

Key Contributing Features

SWL3 (0.5925) – The most significant factor, far exceeding other features, meaning responses to this question have the strongest impact on overall life satisfaction.

SWL1, SWL5, SWL2, SWL4 – Also contribute significantly, indicating that these questions might be closely related and measure aspects like happiness and fulfillment.

Low-Impact Features:

Hours (0.0005) & Streams (0.0005) – Minimal contribution, suggesting that work/study hours have little effect on life satisfaction.

Residence_ISO3 (0.0004) – The country or region of residence has a negligible impact, indicating that geography does not strongly influence life satisfaction.

Age (0.0003) – Almost no effect, meaning age is not a key determinant of happiness.

League (0.0003) – Very low impact.

The SWL score is mainly influenced by responses to specific life satisfaction survey items rather than external factors like age, geography, or work hours.