

Skin Cancer Dataset: Data Dictionary

Variable	Description	Type
Age	Patient's age in years	Numeric
Gender	Male / Female	Categorical
Ethnicity	Ethnic group (Caucasian, African American, Asian, Hispanic, Other)	Categorical
Income	Annual household income (USD)	Numeric
Marital_Status	Single / Married / Divorced / Widowed	Categorical
Education_Level	Highest education level attained	Categorical
Employment_Status	Employment status (Employed, Unemployed, Retired, Student)	Categorical
Region	Residential region (Coastal, Inland, Urban, Rural)	Categorical
Average_UV_Index	Average UV index of residential area	Numeric
Outdoor_Hours_Per_Day	Average daily outdoor hours	Numeric
Distance_to_Beach_km	Distance to nearest beach (km)	Numeric
Access_to_Nude_Beach	Access to nude beach (Yes/No)	Categorical
Residence_Near_Power_Lines	Lives near high-voltage power lines (Yes/No)	Categorical
Altitude	Elevation of residence (meters)	Numeric
Pollution_Level	Air pollution index	Numeric
Urbanization_Level	Urban density index	Numeric
Sunscreen_Use	Frequency of sunscreen use	Categorical
Sunscreen_Brand	Brand of sunscreen used	Categorical
Sunscreen_Type	Type of sunscreen (Cream/Spray)	Categorical
SPF_Level	Sun protection factor level	Numeric
Reapply_Frequency	Times sunscreen is reapplied per day	Numeric
Hat_Use	Regular hat use outdoors (Yes/No)	Categorical
Protective_Clothing	Use of UV-protective clothing (Yes/No)	Categorical
Shade_Seeking	Frequency of staying in shade	Categorical
Tanning_Behavior	Frequency of intentional tanning	Categorical
Use_of_Tanning_Beds	Uses artificial tanning beds (Yes/No)	Categorical
Skin_Tone	Fitzpatrick scale (I–VI)	Categorical
Eye_Color	Eye color (Blue, Green, Brown, Hazel, Other)	Categorical
Hair_Color	Hair color (Blonde, Brown, Black, Red, Gray)	Categorical
Family_History_Cancer	Family history of skin cancer (Yes/No)	Categorical
Number_of_Moles	Number of visible moles	Numeric
Freckles	Presence of freckles (Yes/No)	Categorical

Variable	Description	Type
Skin_Sensitivity	Skin sensitivity to sunlight (Low–High)	Categorical
Vitamin_D_Level	Blood Vitamin D level (ng/mL)	Numeric
Immune_Disorder	Immune disorder presence (Yes/No)	Categorical
Smoking_Status	Smoking habit (Smoker/Non-Smoker/Former)	Categorical
Alcohol_Consumption	Average weekly alcohol units	Numeric
BMI	Body mass index	Numeric
Physical_Activity_Level	Physical activity level	Categorical
Diet_Quality	Diet quality (Poor/Average/Healthy)	Categorical
Doctor_Visit_Frequency	Dermatology visits per year	Numeric
Medical_Insurance	Has medical insurance (Yes/No)	Categorical
Use_of_Moisturizer	Frequency of moisturizer use	Categorical
Daily_Water_Intake	Liters of water consumed daily	Numeric
Sleep_Hours	Average hours of sleep per night	Numeric
Stress_Level	Self-reported stress level (1–10)	Numeric
Use_of_Supplements	Uses dietary supplements (Yes/No)	Categorical
Social_Outdoor_Activity	Outdoor social participation index	Numeric
Tech_Device_Usage_Hours	Average daily screen time (hours)	Numeric
Cancer (Target Variable)	Benign or Malignant	Categorical