

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_Cables | 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 |
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