

Enhanced Data Analysis Report

Dataset: Balanced Sleep Disorders

Generated: 2025-09-14 21:32:49
Domain: ** **Health and Wellness**

Executive Summary

This report presents a comprehensive analysis of the balanced sleep disorders dataset. The dataset contains 355 records with 29 features, including 11 numeric and 18 categorical variables. The analysis identified this as a ** **Health and Wellness** domain dataset.

Dataset Overview

- Total Records: 355
- Total Features: 29
- Numeric Features: 11
- Categorical Features: 18
- Missing Values: 0
- Duplicate Records: 0

Feature Analysis

name	dtype	num_missing	num_unique	mean	std
Person ID	int64	0	355	235.3032581453634	153.61151732760626
Gender	object	0	3	nan	nan
Age	int64	0	62	40.78195488721804	15.188764532644203
Occupation	object	0	5	nan	nan
Sleep Duration (hours)	float64	0	79	7.941604010025063	2.1950431672553803
Quality of Sleep (scale: 1-10)	float64	0	79	6.370927318295739	2.114892608611695
Physical Activity Level (minutes/day)	int64	0	110	65.43859649122807	32.776625051765286
Stress Level (scale: 1-10)	int64	0	10	5.152882205513785	2.7471658238954277
BMI Category	object	0	4	nan	nan
Blood Pressure (systolic/diastolic)	object	0	235	nan	nan

■ Generated Analysis Questions

The following questions were automatically generated to guide the analysis:

1. What is the distribution of sleep duration across different age groups?
2. Is there a correlation between sleep duration and occupation?
3. How does age influence sleep duration?
4. Does the relationship between age and sleep duration vary across different occupations?
5. Identify any potential outliers in the dataset. What factors might cause these outliers?
6. Are there any unusual patterns in the data that suggest potential errors or anomalies?
7. Can we use the dataset to predict sleep duration based on other variables?
8. Can we identify individuals at risk of sleep deprivation based on their age, gender, and occupation?

■ Analysis Insights

No analysis insights available yet. Run some analysis queries to generate insights.

■ Recent Visualizations

Found 2 recent visualizations:

- balanced_sleep_disorders_20250914_213233.html (Created: 2025-09-14 21:32:33)
- balanced_sleep_disorders_20250914_193711.html (Created: 2025-09-14 19:37:11)

■ Statistical Summary

Key Statistics for Numeric Features:

Feature	Mean	Std	Min	Max
Person ID	243.82	155.30	1.00	598.00
Age	40.86	15.31	18.00	90.00
Sleep Duration (hours)	7.91	2.20	4.10	12.00
Quality of Sleep (scale: 1-10)	6.48	2.03	1.00	10.00
Physical Activity Level (minutes/day)	65.90	32.76	0.00	120.00

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