



National Poll on Healthy Aging (NPHA)

Donated on 12/5/2023

This is a subset of the NPHA dataset filtered down to develop and validate machine learning algorithms for predicting the number of doctors a survey respondent sees in a year. This dataset's...



Dataset Characteristics

Tabular

Associated Tasks

Classification

Instances

714

Subject Area

Health and Medicine

Feature Type

Categorical

Features

14

Dataset Information



For what purpose was the dataset created?

The National Poll on Healthy Aging dataset was created to gather insights on the health, healthcare, and health policy issues affecting Americans aged 50 and older. By focusing on the perspectives of older adults and their caregivers, the University of Michigan aimed to inform the public, healthcare...

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Who funded the creation of the dataset?

The dataset was funded by AARP and Michigan Medicine, the University of Michigan's academic medical centre.

What do the instances in this dataset represent?

Each row represents a survey respondent.

Does the dataset contain data that might be considered sensitive in any way?

Yes. There is information about race/ethnicity, gender, age.

Was there any data preprocessing performed?

For this subset of the original NPHA dataset we chose 14 features related to health and sleep to use for the prediction task. We then removed all survey respondents with missing responses for any of the chosen features.

Has Missing Values?

No

Introductory Paper

National Poll on Healthy Aging (NPHA)

By Malani, Preeti N., Kullgren, Jeffrey, and Solway, Erica. 2017
Published in Inter-university Consortium for Political and Social Research

Variables Table

Variable Name	Role	Type	Demographic	Description
Number_of_Doctors_Visited	Target	Categorical		The total count of different doctors the patient has seen = { 1: 1 doctors, 2: 2-3 doctors, 3: 4 or more doctors }
Age	Feature	Categorical	Age	The patient's age group = { 1: 50-64, 2: 65-80 }
Physical_Health	Feature	Categorical		A self-assessment of the patient's physical well-being = { 1: Refused, 2: Excellent, 3: Very Good, 4: Good, 5: Poor }

Variable Name	Role	Type	Demographic	Description
Mental_Health	Feature	Categorical		A self-evaluation of the patient's mental or psychological health = { -1: Refused 1: Excellent 2: Very Good 3: Good 4: Fair 5: Poor }
Dental_Health	Feature	Categorical		A self-assessment of the patient's oral or dental health = { -1: Refused 1: Excellent 2: Very Good 3: Good 4: Fair 5: Poor }
Employment	Feature	Categorical		The patient's employment status or work-related information = { -1: Refused 0: Not working 1: Working full-time 2: Working part-time 3: Retired 4: Not working at this time }
Stress_Keeps_Patient_from_Sleeping	Feature	Categorical		Whether stress affects the patient's ability to sleep = { 0: No 1: Yes }
Medication_Keeps_Patient_from_Sleeping	Feature	Categorical		Whether medication impacts the patient's ability to sleep = { 0: No 1: Yes }

Variable Name	Role	Type	Demographic	Description
				patient's sleep = { 0: No 1: Yes }
Pain_Keeps_Patient_from_Sleeping	Feature	Categorical		Whether physical pain disturbs the patient's sleep = { 0: No 1: Yes }
Bathroom_Needs_Keeps_Patient_from_Sleeping	Feature	Categorical		Whether the need to use the bathroom affects the patient's sleep = { 0: No 1: Yes }
Unknown_Keeps_Patient_from_Sleeping	Feature	Categorical		Unidentified factors affecting the patient's sleep = { 0: No 1: Yes }
Trouble_Sleeping	Feature	Categorical		General issues or difficulties the patient faces with sleeping = { 0: No 1: Yes }
Prescription_Sleep_Medication	Feature	Categorical		Information about any sleep medication prescribed to the patient { -1: Refused 1: Use regularly 2: Use occasionally 3: Do not use }

Variable Name	Role	Type	Demographic	Description
Race	Feature	Categorical	Race	The patient's racial or ethnic background = { -2: Not asked -1: REFUSED White, Not Hispanic 2: Black, Not Hispanic 3: Other, Not Hispanic 4: Hispanic 5: Hispanic 6: 2+ Races, Non-Hispanic }
Gender	Feature	Categorical	Gender	The gender identity of the patient { -2: Not asked -1: REFUSED Male 2: Female }

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Additional Variable Information

Class Labels

Number of Doctors Visited: The total count of different doctors the patient has seen = {
1: 0-1 doctors
2: 2-3 doctors...
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Dataset Files

File	Size
NPHA-doctor-visits.csv	21.3 KB

Reviews

4.3  (2 ratings)

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Alice Shen-Yi
Tseng



10/31/2024

The actual data in the column under the title "General issues or difficulties the patient faces with sleeping = { 0: No 1: Yes }" are not 0's and 1's but are 1,2, or 3. This has invalidated the uses of this entire column. If possible,...

kathyayini valluru



2/7/2024

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Citations/Acknowledgements

If you use this dataset, please cite:

Malani, Preeti N., Kullgren, Jeffrey, and Solway, Erica. National Poll on Healthy Aging (NPHA), [United States], April 2017. Inter-university Consortium for Political and Social Research [distributor], 2019-05-29. <https://doi.org/10.3886/ICPSR37305.v1>



Keywords

Sleep

health

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