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**Sec:** 1

**Dataset name:** Alzheimer's Disease and Healthy Aging Data

**Dataset link:** [Click Here](#)

## Dataset description

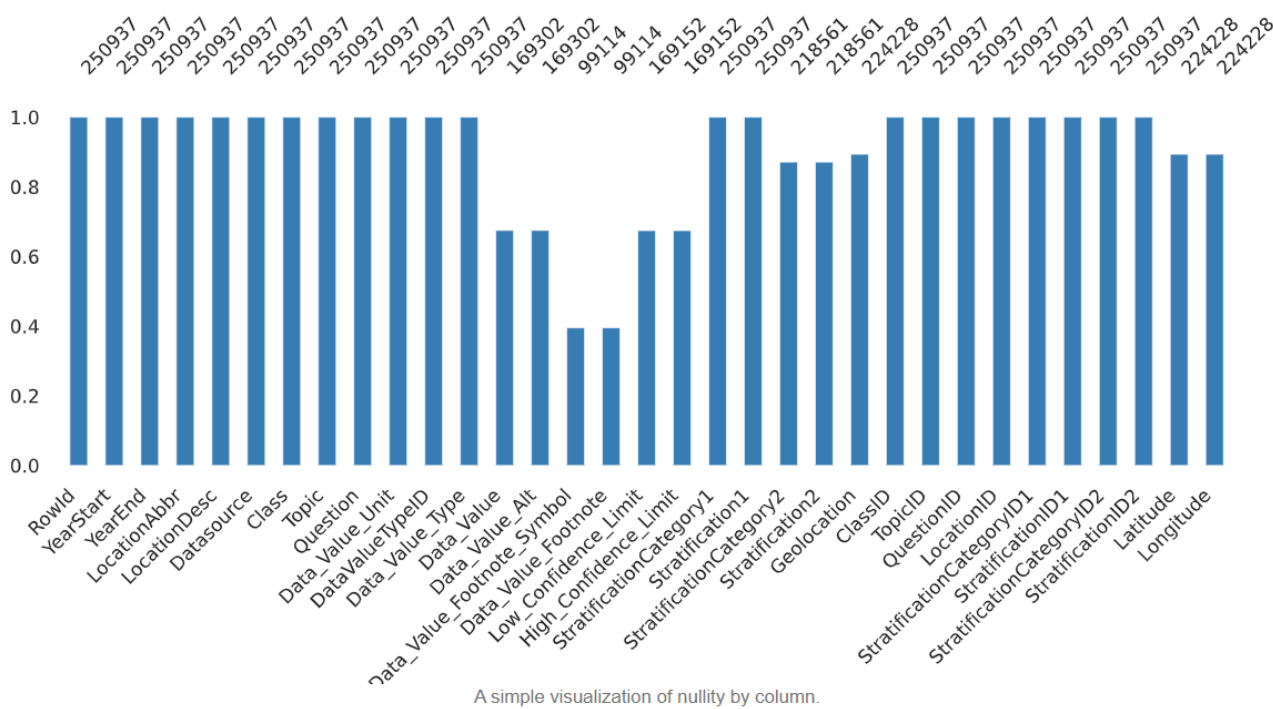
### 1- One or two paragraphs describing your dataset

This "Alzheimer's Disease and Healthy Ageing Data" collection is a goldmine for anyone who wants to understand Alzheimer's and what keeps people healthy as they age. It's like having a giant magnifying glass to see exactly how widespread Alzheimer's is and what things might raise your risk.

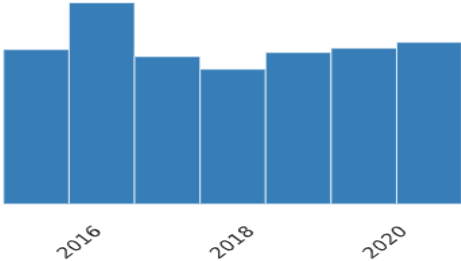
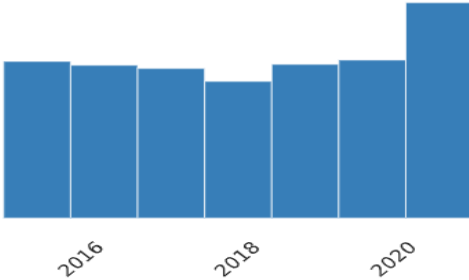
The data covers a bunch of years and different places, giving you a broad picture of the disease. It even digs into details like age, gender, and maybe even social background, so you can see how Alzheimer's affects different people in different ways. Plus, the numbers come with uncertainty ranges, which makes them even more reliable for analysis.

And that's not all! This data has location information too. So researchers can track where Alzheimer's seems to be more common and target those areas with better treatments. It's like having a map to fight back against the disease!

# Missing Values Count



## 2- Create a table for ALL the columns in your dataset similar to the following table:

Column name	Column profiling	Notes
<b>YearStart</b>  The starting year of the data collection period.	Distinct = 7 Distinct (%) < 0.1% Missing = 0 Missing (%) 0.0% Infinite= 0 Infinite (%) 0.0% Mean = 2017 (Months at last ) Minimum = 2015 Maximum = 2021 Zeros = 0 Zeros (%) 0.0% Negative = 0 Negative (%) 0.0%	 <p>Column Dependencies:</p> <ul style="list-style-type: none"> <li>• YearEnd</li> </ul>
<b>YearEnd</b>  The end year of the data collection period.	Distinct = 7 Distinct (%) < 0.1% Missing = 0 Missing (%) 0.0% Infinite= 0 Infinite (%) 0.0% Mean = 2018 (Months at the beginning ) Minimum = 2015 Maximum = 2021 Zeros = 0 Zeros (%) 0.0% Negative = 0 Negative (%) 0.0%	 <p>Column Dependencies :</p> <ul style="list-style-type: none"> <li>• YearStart</li> </ul>



<div><div>Class</div><div>Classification of the Data</div></div>	<div><div>Distinct= 7</div><div>Distinct (%) &lt; 0.1%</div><div>Missing= 0</div><div>Missing (%) 0.0%</div></div> <div><div>Length</div><div>Max length =35</div><div>Median length=23</div><div>Mean length=18.8969</div><div>Min length=10</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div><div>Overall Health84091</div><div>Screenings a...52297</div><div>Nutrition/Phys...30376</div><div>Caregiving24427</div><div>Cognitive Dec...21015</div><div>Other values (2)38731</div></div></div> <div><div>Column Dependencies :</div><div><div>• ClassID</div><div>• Question</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div></div>
<div><div>Topic</div><div>The topic or subject area of the data.</div></div>	<div><div>Distinct= 7</div><div>Distinct (%) &lt; 0.1%</div><div>Missing= 0</div><div>Missing (%) 0.0%</div></div> <div><div>Length</div><div>Max length =35</div><div>Median length=23</div><div>Mean length=18.8969</div><div>Min length=10</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div><div>Lifetime diag...9683</div><div>No leisure-ti...9683</div><div>Obesity9683</div><div>Current smok...9683</div><div>Physically un...9683</div><div>Other values ...202522</div></div></div> <div><div>Column Dependencies :</div><div><div>• Class</div><div>• ClassID</div><div>• DataValueTypeID</div><div>• Data_Value</div><div>• Data_Value_Alt</div><div>• Data_Value_Type</div><div>• Data_Value_Unit</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div></div>

<div>Question</div> <div>The specific question being investigated</div>	<div>Distinct= 7</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing= 0</div> <div>Missing (%) 0.0%</div> <div><div>Length</div><div>Max length =35</div><div>Median length=23</div><div>Mean length=18.8969</div><div>Min length=10</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div>Lifetime diag...9683</div><div>No leisure-ti...9683</div><div>Obesity9683</div><div>Current smok...9683</div><div>Physically un...9683</div><div>Other values ...202522</div></div> <div>Column Dependencies :</div> <div><div>• Class</div><div>• ClassID</div><div>• DataValueTypeID</div><div>• Data_Value</div><div>• Data_Value_Alt</div><div>• Data_Value_Type</div><div>• Data_Value_Unit</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div>
<div>Data_Value_Unit</div> <div>Unit of measurement for the data value</div>	<div>Distinct= 2</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing= 0</div> <div>Missing (%) 0.0%</div> <div><div>Length</div><div>Max length =6</div><div>Median length=1</div><div>Mean length=1.384239</div><div>Min length=1</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div>%231653</div><div>Number19284</div></div> <div>Column Dependencies :</div> <div><div>• DataValueTypeID</div><div>• Data_Value</div><div>• Data_Value_Alt</div><div>• Data_Value_Type</div><div>• Question</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div>

<div><div><div><div><div><div></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div></div></div></div></div><div><div>DataValueTypeId</div><div>Identifier for the type of data value</div></div></div>	<div><div><div><div><div>Distinct=2</div><div>Distinct (%) &lt; 0.1%</div><div>Missing=0</div><div>Missing (%) 0.0%</div></div></div><div><div><div><div>Length</div><div>Max length =5</div><div>Median length=5</div><div>Mean length=4.923152</div><div>Min length=4</div></div></div><div><div><div><div>Unique</div><div>Unique=0</div><div>Unique (%) 0.0%</div></div></div></div></div></div></div>	<div><div><div><div><div>Percentage</div><div>231653</div></div><div><div>Mean</div><div>19284</div></div></div></div><div><div>Column Dependencies :</div><div><div><div>• Data_Value_Type</div><div>• Data_Value_Unit</div><div>• Question</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div></div></div></div>
<div><div><div><div><div></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div></div></div></div></div> <div><div>Data_Value_Type</div><div>Type of data value.</div></div>	<div><div><div><div><div>Distinct=2</div><div>Distinct (%) &lt; 0.1%</div><div>Missing=0</div><div>Missing (%) 0.0%</div></div></div><div><div><div><div>Length</div><div>Max length =10</div><div>Median length=10</div><div>Mean length=9.538912</div><div>Min length=4</div></div></div><div><div><div><div>Unique</div><div>Unique=0</div><div>Unique (%) 0.0%</div></div></div></div></div></div></div>	<div><div><div><div><div>Percentage</div><div>231653</div></div><div><div>Mean</div><div>19284</div></div></div></div><div><div>Column Dependencies :</div><div><div><div>• DataValueTypeID</div><div>• Data_Value</div><div>• Data_Value_Alt</div><div>• Data_Value_Unit</div><div>• Question</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div></div></div></div>







<div>High_Confidence_Limit</div> <div>The upper bound of the confidence interval for the data value.</div>	<div>Missing=81785</div> <div>Missing (%) 32.6%</div>	<div>This Column Contains:</div> <div><ul style="list-style-type: none"><li>Missing Data</li><li>Data types that are not supported or recognized by the data profiling tool</li><li>Data quality issues, inconsistency</li></ul></div>
<div>Stratification Category1</div> <div>First level of categorization for the data stratification.</div>	<div>Distinct=1</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing=0</div> <div>Missing (%) 0%</div> <div><div>Length</div><div>Max length =9</div><div>Median length=9</div><div>Mean length=9</div><div>Min length=9</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div>Age Group</div> <div><div>250937</div></div>
<div>Stratification 1</div> <div>The first level of stratification.</div>	<div>Distinct=3</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing=0</div> <div>Missing (%) 0%</div> <div><div>Length</div><div>Max length =17</div><div>Median length=11</div><div>Mean length=11.64550</div><div>Min length=7</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div>Overall</div><div>84147</div></div> <div><div>50-64 years</div><div>83695</div></div> <div><div>65 years or ol...</div><div>83095</div></div> <div><div>Column Dependencies:</div><div><ul style="list-style-type: none"><li>StratificationID</li></ul></div></div>

<div>Stratification Category2</div> <div>Second level of categorization for the data stratification.</div>	<div>Distinct=2 Distinct (%) &lt; 0.1% Missing=<b>32376</b> Missing (%) 12.9%</div> <div><u>Length</u> Max length =14 Median length=14 Mean length=11.78361 Min length=6</div> <div><u>Unique</u> Unique= 0 Unique (%) 0.0%</div>	<div><div>Race/Ethnicity158009</div><div>Gender60552</div></div> <div>Column Dependencies :</div> <ul style="list-style-type: none"><li>Stratification2</li><li>StratificationID2</li><li>StratificationCategoryID2</li></ul>
<div>Stratification 2</div> <div>The second level of stratification.</div>	<div>Distinct=7 Distinct (%) &lt; 0.1% Missing=<b>32376</b> Missing (%) 12.9%</div> <div><u>Length</u> Max length =24 Median length=19 Mean length=14.63319 Min length=4</div> <div><u>Unique</u> Unique= 0 Unique (%) 0.0%</div>	<div><div>White, non-Hi...32332</div><div>Hispanic32205</div><div>Black, non-Hi...31649</div><div>Native Am/Al...31050</div><div>Asian/Pacific ...30773</div><div>Other values (2)60552</div></div> <div>Column Dependencies :</div> <ul style="list-style-type: none"><li>StratificationCategory2</li><li>StratificationID2</li><li>StratificationCategoryID2</li></ul>
<div>Geolocation</div> <div>Geographical coordinates of the location.</div>	<div>Distinct=54 Distinct (%) &lt; 0.1% Missing=<b>26709</b> Missing (%) 10.6%</div> <div><u>Length</u> Max length =46 Median length=45 Mean length=43.69910 Min length=28</div> <div><u>Unique</u> Unique= 0 Unique (%) 0.0%</div>	<div><div>157.8577494029997399.42677020599967</div><div>44.56744942400047</div><div>75.54397042699964</div><div>40.06021014100048</div><div>76.60926011099963</div><div>39.29058096400047</div><div>32.83968109300048</div><div>42.82700103200045</div><div>21.30485043500046</div><div>120.15503132599969</div><div>111.58713063499971</div><div>39.360700171000474</div><div>44.6613195430005</div><div>82.40426005599966</div><div>83.62758034599966</div><div>point</div></div>

<div>ClassID</div> <div>Identifier for the data class.</div>	<div>Distinct= 7</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing= 0</div> <div>Missing (%) 0%</div> <div><div>Length</div><div>Max length =3</div><div>Median length=3</div><div>Mean length=3</div><div>Min length=3</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div><div><div>C01</div><div>84091</div></div><div><div>C03</div><div>52297</div></div><div><div>C02</div><div>30376</div></div><div><div>C07</div><div>24427</div></div><div><div>C06</div><div>21015</div></div><div><div>Other values (2)</div><div>38731</div></div></div></div> <div><div>Column Dependencies :</div><div><div>• Class</div><div>• Question</div><div>• QuestionID</div><div>• Topic</div><div>• TopicID</div></div></div>
<div>TopicID</div> <div>Identifier for the data topic.</div>	<div>Distinct= 39</div> <div>Distinct (%) &lt; 0.1%</div> <div>Missing= 0</div> <div>Missing (%) 0%</div> <div><div>Length</div><div>Max length =5</div><div>Median length=5</div><div>Mean length=3</div><div>Min length=5</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div><div><div>TMC03</div><div>9683</div></div><div><div>TNC03</div><div>9683</div></div><div><div>TNC04</div><div>9683</div></div><div><div>TAC01</div><div>9683</div></div><div><div>TOC01</div><div>9683</div></div><div><div>Other values ...</div><div>202522</div></div></div></div> <div><div>Column Dependencies :</div><div><div>• Class</div><div>• ClassID</div><div>• DataValueTypeID</div><div>• Data_Value</div><div>• Data_Value_Alt</div><div>• Data_Value_Type</div><div>• Data_Value_Unit</div><div>• QuestionID</div><div>• Topic</div><div>• Question</div></div></div>



<div><div>Stratification CategoryID1</div><div>Identifier for the first level of stratification category.</div></div>	<div>Distinct= 1 Distinct (%) &lt; 0.1% Missing= 0 Missing (%) 0%</div> <div><div>Length</div><div>Max length =3 Median length=3 Mean length=3 Min length=3</div></div> <div><div>Unique</div><div>Unique= 0 Unique (%) 0.0%</div></div>	<div>AGE<div>250937</div></div>
<div><div>Stratification ID1</div><div>Identifier for the first level of stratification.</div></div>	<div>Distinct= 3 Distinct (%) &lt; 0.1% Missing= 0 Missing (%) 0%</div> <div><div>Length</div><div>Max length =11 Median length=6 Mean length=7.009596 Min length=4</div></div> <div><div>Unique</div><div>Unique= 0 Unique (%) 0.0%</div></div>	<div>AGE_OVERA...<div>84147</div></div> <div>5064<div>83695</div></div> <div>65PLUS<div>83095</div></div> <div><div>Column Dependencies :</div><div><div>Stratification1</div></div></div>
<div><div>Stratification CategoryID2</div><div>Identifier for the second level of stratification category.</div></div>	<div>Distinct= 3 Distinct (%) &lt; 0.1% Missing= 0 Missing (%) 0%</div> <div><div>Length</div><div>Max length =7 Median length=3 Mean length=4.869668 Min length=3</div></div> <div><div>Unique</div><div>Unique= 0 Unique (%) 0.0%</div></div>	<div>RACE<div>158009</div></div> <div>GENDER<div>60552</div></div> <div>OVERALL<div>32376</div></div> <div><div>Column Dependencies :</div><div><div>StratificationCategory2</div><div>Stratification2</div><div>StratificationCategoryID2</div></div></div>

<div><div>Stratification ID2</div><div>Identifier for the second level of stratification.</div></div>	<div><div>Distinct= 8</div><div>Distinct (%) &lt; 0%</div><div>Missing= 0</div><div>Missing (%) 0%</div></div> <div><div>Length</div><div>Max length =7</div><div>Median length=3</div><div>Mean length=3.998688</div><div>Min length=3</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div><div>OVERALL32376</div><div>WHT32332</div><div>HIS32205</div><div>BLK31649</div><div>NAA31050</div><div>Other values (3)91325</div></div><div><div>Column Dependencies :</div><div><div>StratificationCategory2</div><div>Stratification2</div><div>StratificationCategoryID2</div></div></div></div>
<div><div>Latitude</div><div>Latitude coordinate of the location.</div></div>	<div><div>Distinct= 54</div><div>Distinct (%) &lt; 0.1%</div><div>Missing= 26709</div><div>Missing (%) 10.6%</div></div> <div><div>Length</div><div>Max length =45</div><div>Median length=44</div><div>Mean length=42.69910</div><div>Min length=27</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div>44.56744942400047</div><div>point(-82.40426005599966</div><div>point(-111.58713063499971</div><div>point(-157.85774940299973</div><div>point(-75.54397042699964</div><div>44.6613195430005</div><div>40.06021014100048</div><div>42.82700103200045</div><div>39.360700171000474</div><div>point(-120.15503132599969</div><div>21.304850435000446</div></div>
<div><div>Longitude</div><div>Longitude coordinate of the location</div></div>	<div><div>Distinct= 54</div><div>Distinct (%) &lt; 0.1%</div><div>Missing= 26709</div><div>Missing (%) 10.6%</div></div> <div><div>Length</div><div>Max length =45</div><div>Median length=44</div><div>Mean length=42.69910</div><div>Min length=27</div></div> <div><div>Unique</div><div>Unique= 0</div><div>Unique (%) 0.0%</div></div>	<div><div>44.56744942400047</div><div>point(-82.40426005599966</div><div>point(-111.58713063499971</div><div>point(-157.85774940299973</div><div>point(-75.54397042699964</div><div>44.6613195430005</div><div>40.06021014100048</div><div>42.82700103200045</div><div>39.360700171000474</div><div>point(-120.15503132599969</div><div>21.304850435000446</div></div>

