# Overview

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**Overview**    Alerts **4**    Reproduction

## Dataset statistics

| | |
|---|---|
| **Number of variables** | 5 |
| **Number of observations** | 8843 |
| **Missing cells** | 0 |
| **Missing cells (%)** | 0.0% |
| **Duplicate rows** | 0 |
| **Duplicate rows (%)** | 0.0% |
| **Total size in memory** | 414.5 KiB |
| **Average record size in memory** | 48.0 B |

## Variable types

| | |
|---|---|
| **Numeric** | 5 |

# Variables

Select Columns ⌄

## Age

Real number (ℝ)

| | | | |
|---|---|---|---|
| **Distinct** | 51 | **Minimum** | 18 |
| **Distinct (%)** | 0.6% | **Maximum** | 68 |
| **Missing** | 0 | **Zeros** | 0 |
| **Missing (%)** | 0.0% | **Zeros (%)** | 0.0% |
| **Infinite** | 0 | **Negative** | 0 |
| **Infinite (%)** | 0.0% | **Negative (%)** | 0.0% |
| **Mean** | 35.426891 | **Memory size** | 138.2 KiB |
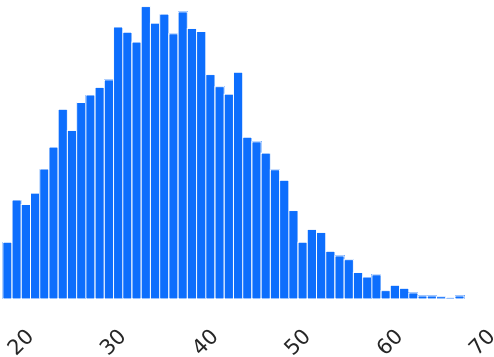


More details

## Annual_Income

Real number (ℝ)

Unique

| | | | | |
|---|---|---|---|---|
| **Distinct** | 8843 | **Minimum** | 156.0559 | |
| **Distinct (%)** | 100.0% | **Maximum** | 100836.69 | |
| **Missing** | 0 | **Zeros** | 0 | |
| **Missing (%)** | 0.0% | **Zeros (%)** | 0.0% | |
| **Infinite** | 0 | **Negative** | 0 | |
| **Infinite (%)** | 0.0% | **Negative (%)** | 0.0% | |
| **Mean** | 50166.217 | **Memory size** | 138.2 KiB | |
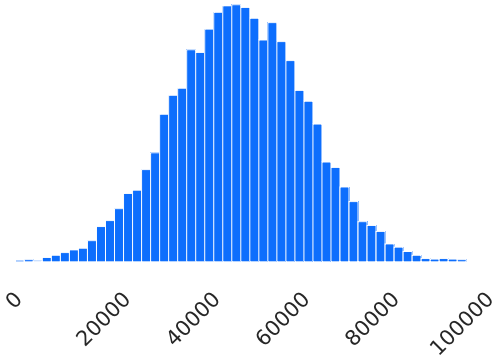
More details

# Spending_Score

Real number (ℝ)

Unique

| | | | | |
|---|---|---|---|---|
| **Distinct** | 8843 | **Minimum** | 1.0092335 | |
| **Distinct (%)** | 100.0% | **Maximum** | 99.990069 | |
| **Missing** | 0 | **Zeros** | 0 | |
| **Missing (%)** | 0.0% | **Zeros (%)** | 0.0% | |
| **Infinite** | 0 | **Negative** | 0 | |
| **Infinite (%)** | 0.0% | **Negative (%)** | 0.0% | |
| **Mean** | 50.787602 | **Memory size** | 138.2 KiB | |
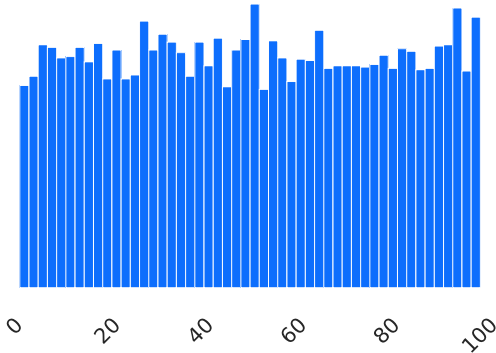
More details

# Purchase_Frequency

Real number (ℝ)

Zeros

| Distinct | 30 | | Minimum | 0 |
|---|---|---|---|---|
| Distinct (%) | 0.3% | | Maximum | 29 |
| Missing | 0 | | Zeros | 264 |
| Missing (%) | 0.0% | | Zeros (%) | 3.0% |
| Infinite | 0 | | Negative | 0 |
| Infinite (%) | 0.0% | | Negative (%) | 0.0% |
| Mean | 14.528893 | | Memory size | 138.2 KiB |
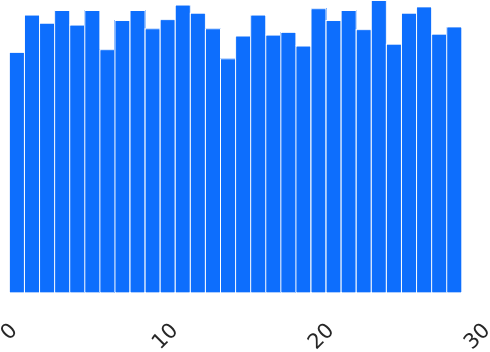


More details

## Transaction_Amount

Real number (ℝ)

Unique

| | | | | |
|---|---|---|---|---|
| **Distinct** | 8843 | **Minimum** | 0.12355703 | |
| **Distinct (%)** | 100.0% | **Maximum** | 273.51834 | |
| **Missing** | 0 | **Zeros** | 0 | |
| **Missing (%)** | 0.0% | **Zeros (%)** | 0.0% | |
| **Infinite** | 0 | **Negative** | 0 | |
| **Infinite (%)** | 0.0% | **Negative (%)** | 0.0% | |
| **Mean** | 102.87354 | **Memory size** | 138.2 KiB | |

More details

# Interactions

| Age | Annual_Income | Spending_Score | Purchase_Frequency | Transaction_Amount |
|---|---|---|---|---|

| Transaction_Amount | Age | Annual_Income | Spending_Score | Purchase_Frequency |
|---|---|---|---|---|
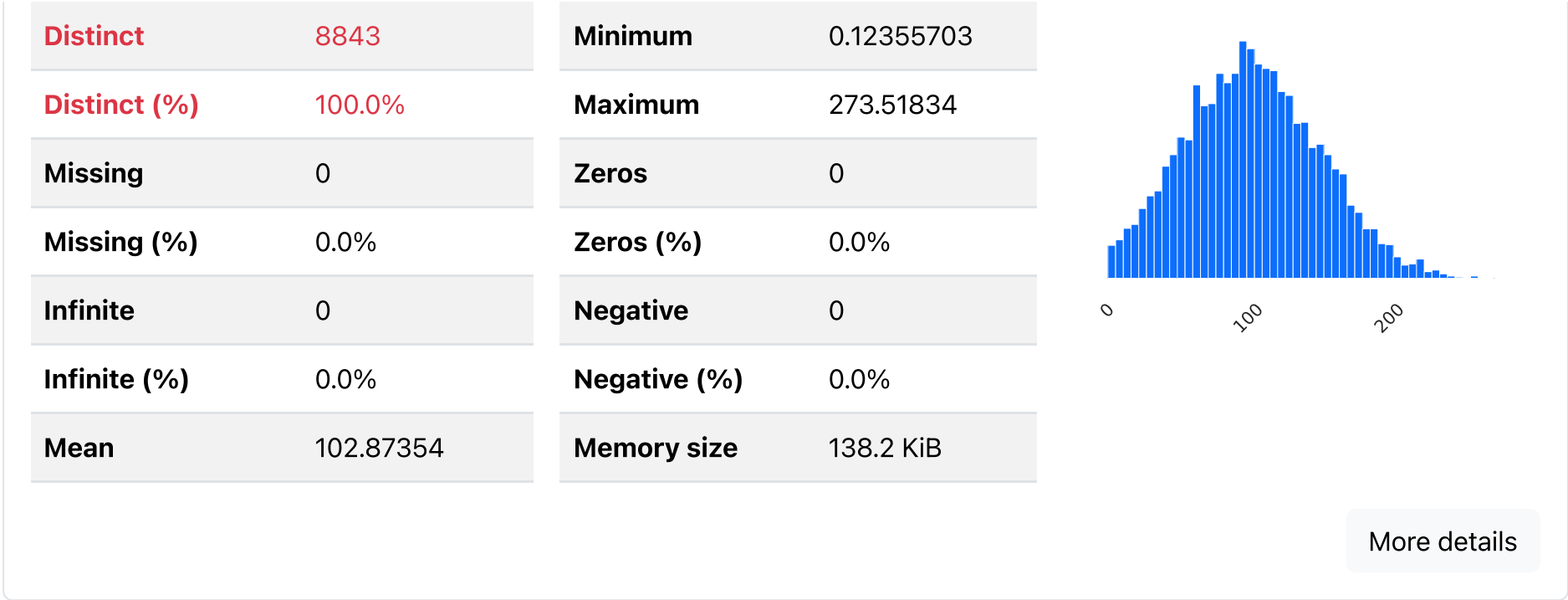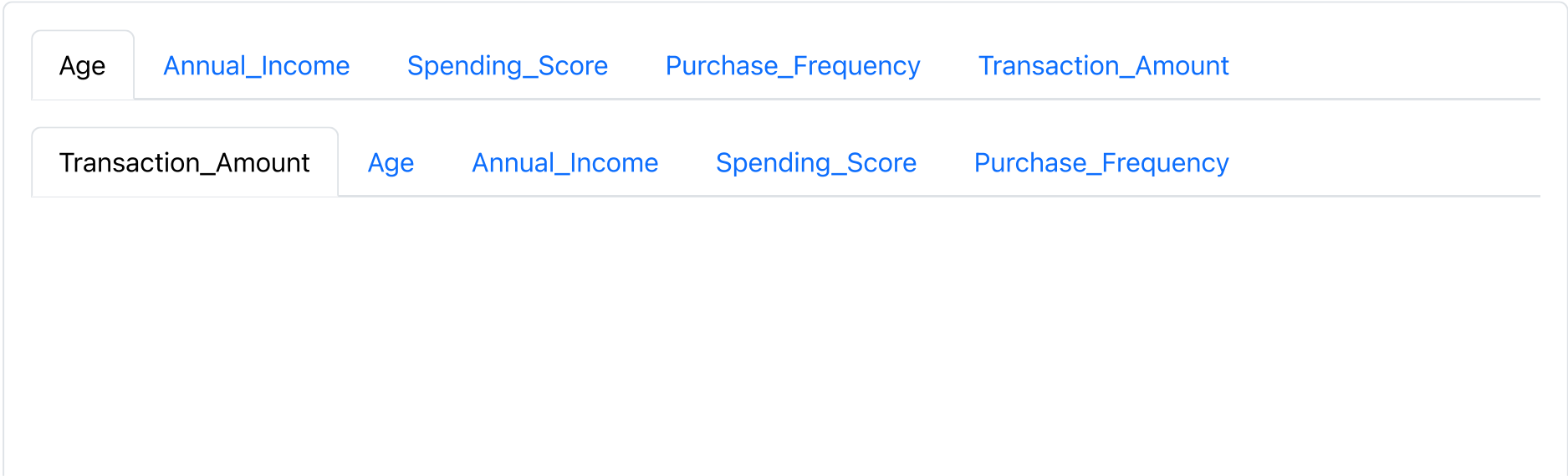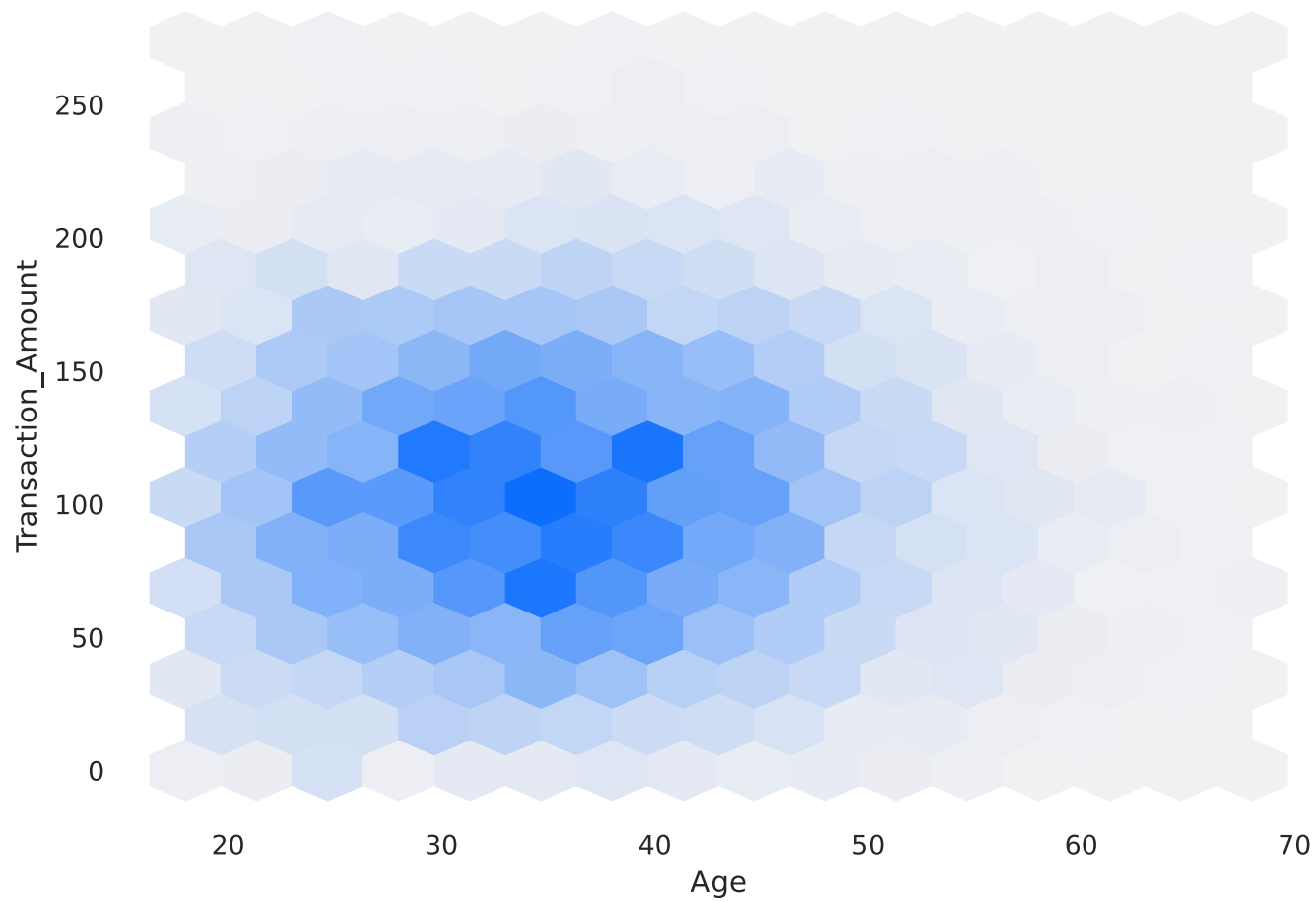
# Correlations
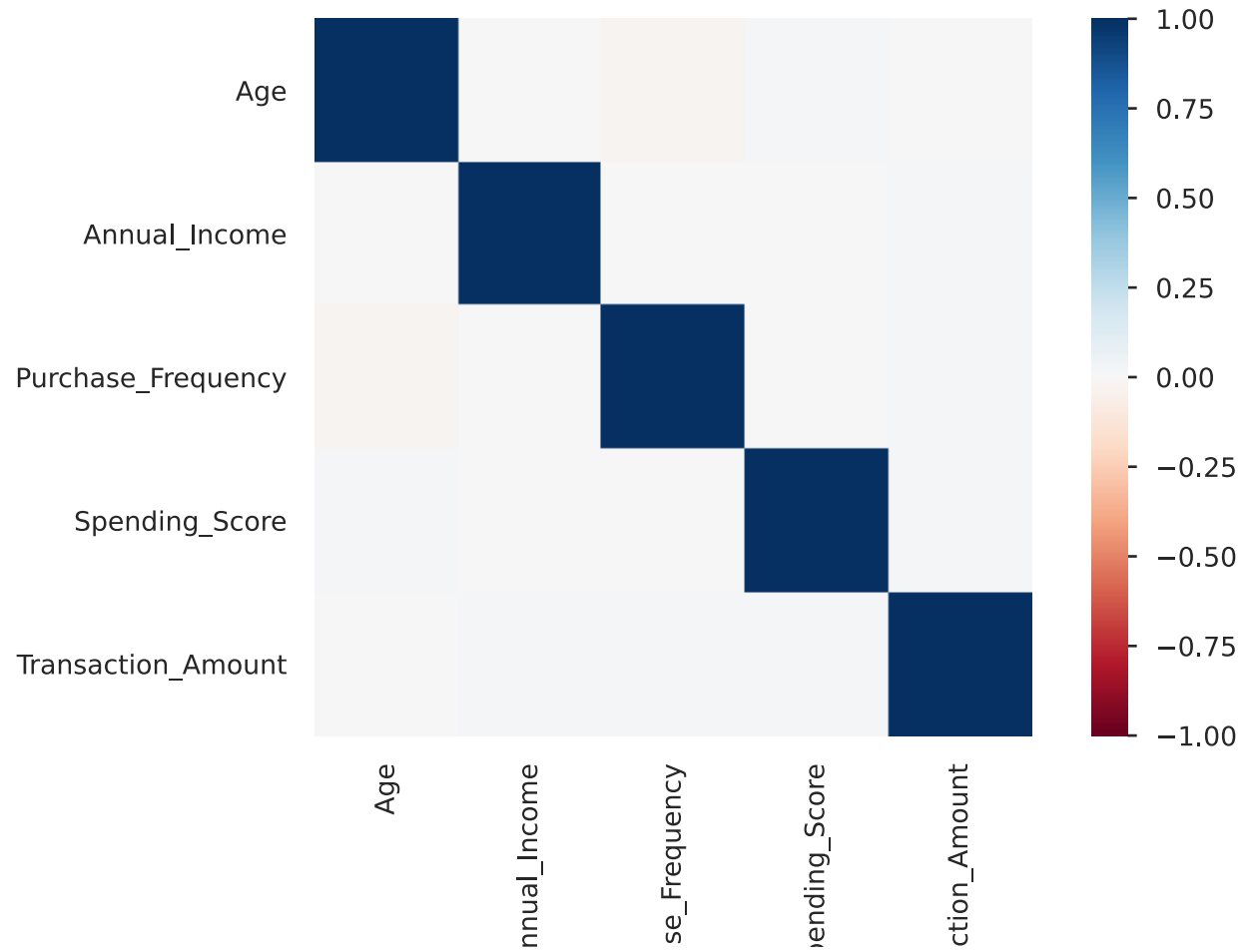
# Missing values

Count    Matrix
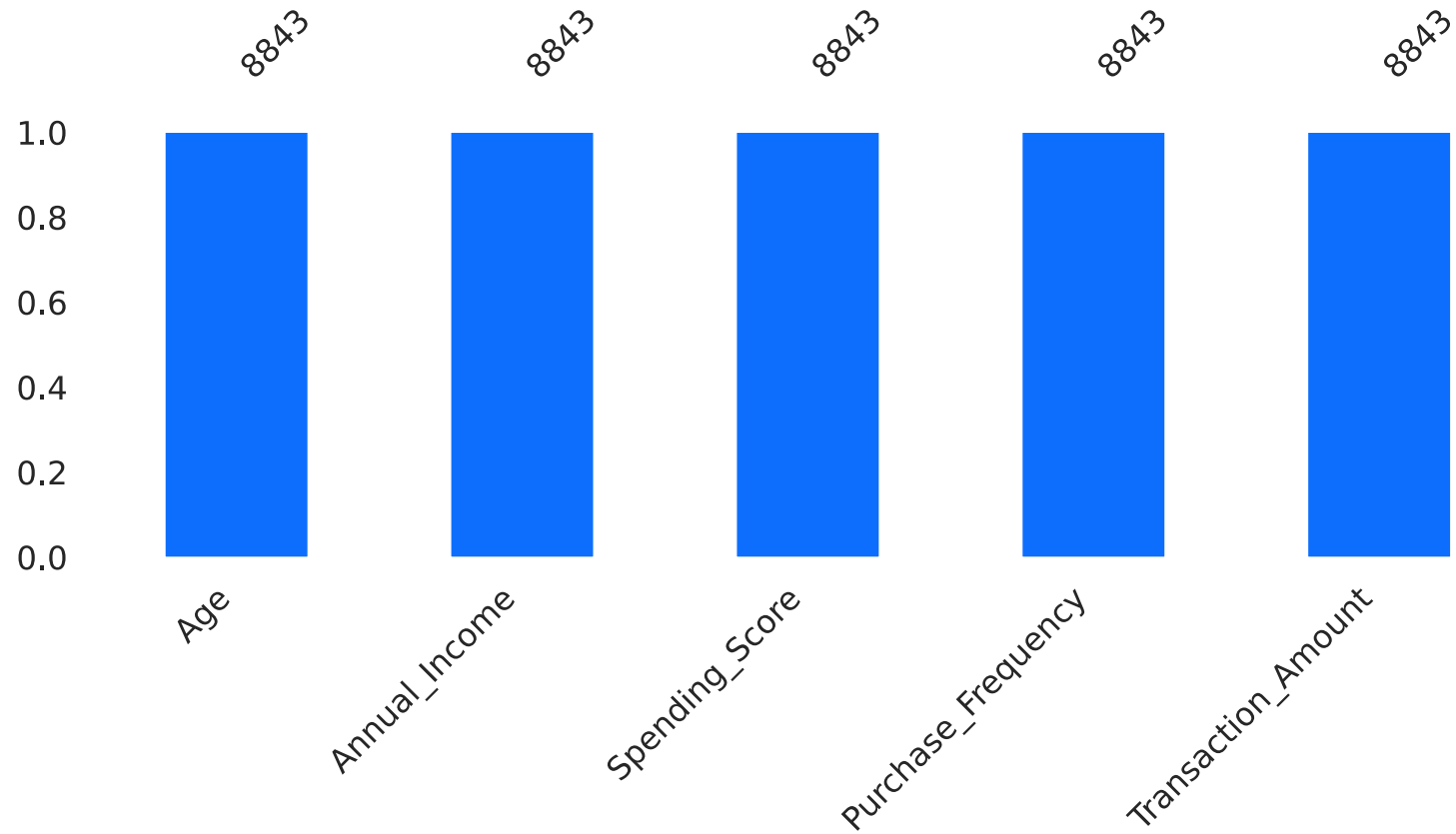


A simple visualization of nullity by column.

# Sample

| | Age | Annual_Income | Spending_Score | Purchase_Frequency | Transaction_Amount |
|---|---|---|---|---|---|
| **0** | 31.00 | 75851.59 | 77.10 | 17 | 129.72 |
| **1** | 48.00 | 44460.18 | 61.35 | 25 | 91.48 |
| **3** | 34.00 | 48666.81 | 82.07 | 0 | 72.40 |
| **4** | 44.00 | 46080.33 | 65.08 | 3 | 156.40 |
| **5** | 41.00 | 23764.21 | 22.90 | 28 | 63.79 |
| **6** | 45.00 | 58624.48 | 48.58 | 16 | 87.58 |
| **7** | 55.00 | 37693.68 | 99.72 | 16 | 58.03 |
| **8** | 51.00 | 45142.73 | 33.51 | 4 | 82.83 |
| **9** | 23.00 | 76390.09 | 12.54 | 22 | 77.10 |
| **11** | 38.00 | 74182.97 | 19.28 | 6 | 101.67 |