

Data Appendix

This data appendix provides definitions and summary statistics for variables in the data file wielkopolskie.csv.

This analysis dataset consists of 534 entries which are contributing to the statistics of purchases of washing machines.

Data included in the dataset from Wielkopolskie voivodship in Poland:

Client_no	Days_from_purchase	Brand	Buyer_age	Gender	Rating
0	3	Electrolux	41.0	M	3.0
1	7	Electrolux	57.0	M	3.0
2	9	Electrolux	NaN	K	4.5
3	8	Beko	NaN	M	1.5
4	10	Beko	35.0	M	2.5
...
529	8	Samsung	39.0	M	1.5
530	9	Electrolux	26.0	K	1.5
531	6	Beko	43.0	M	2.5
532	5	Beko	NaN	M	2.5
533	9	Electrolux	57.0	K	1.5

534 rows \times 6 columns

Original column names have been altered to keep the consistency of usage one language in the following manner:

- "Unnamed: 0": "Client_no",
- "Dni od zakupu": "Days_from_purchase",
- "Wiek kupującego": "Buyer_age",
- "Płeć kupującego": "Gender",
- "Ocena": "Rating",
- "Marka": "Brand".

Table above consist of 6 distinguishable columns, each for one variable:

- Client_no - customer number,
- Days_from_purchase – time expressed in days after purchase,
- Brand - brand of vacuum cleaner,
- Buyer_age - age of customer,
- Gender - gender of customer,
- Rating - form 0 to 5, with the possibility of giving half a point.

Variable name: Days_from_purchase

Source: data_sort_by_days_from_purchase

Max value: 15

Min value: 0

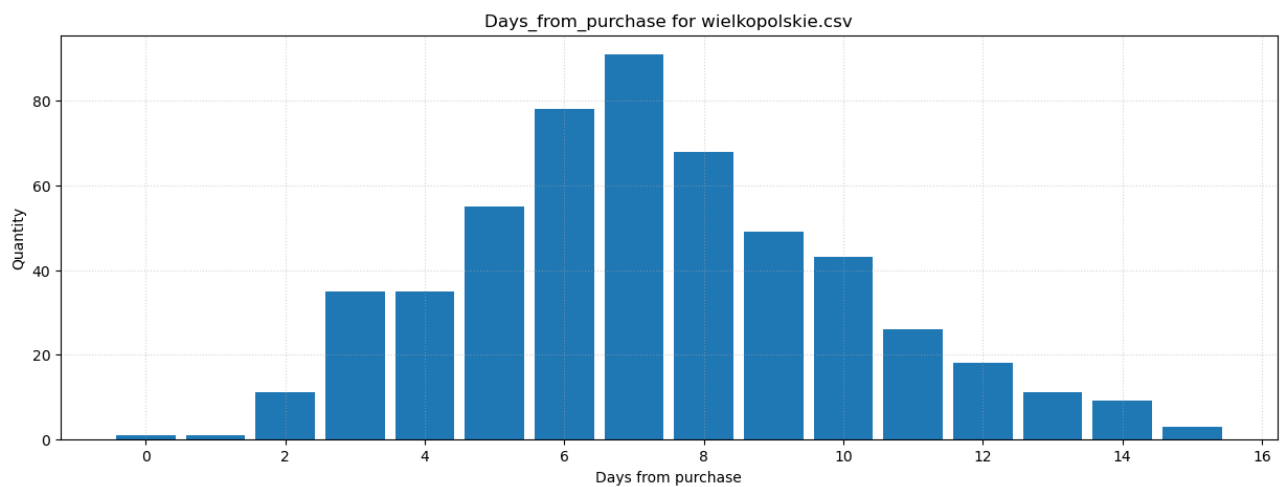
Dropped rows: 0

Table:

Client_no	Days_from_purchase	Brand	Buyer_age	Gender	Rating
418	0	Dyson	45.0	M	3.5
239	1	Dyson	43.0	M	1.0
528	2	Dyson	39.0	M	3.0
270	2	Dyson	24.0	M	2.0
18	2	Beko	52.0	M	4.0
...
35	14	Samsung	NaN	M	2.0
185	14	Beko	47.0	M	3.0
325	15	Beko	21.0	K	3.5
199	15	Electrolux	44.0	K	1.5
8	15	Electrolux	50.0	M	3.0

534 rows × 6 columns

Chart:



Variable name: Brand

Source: formatted_data

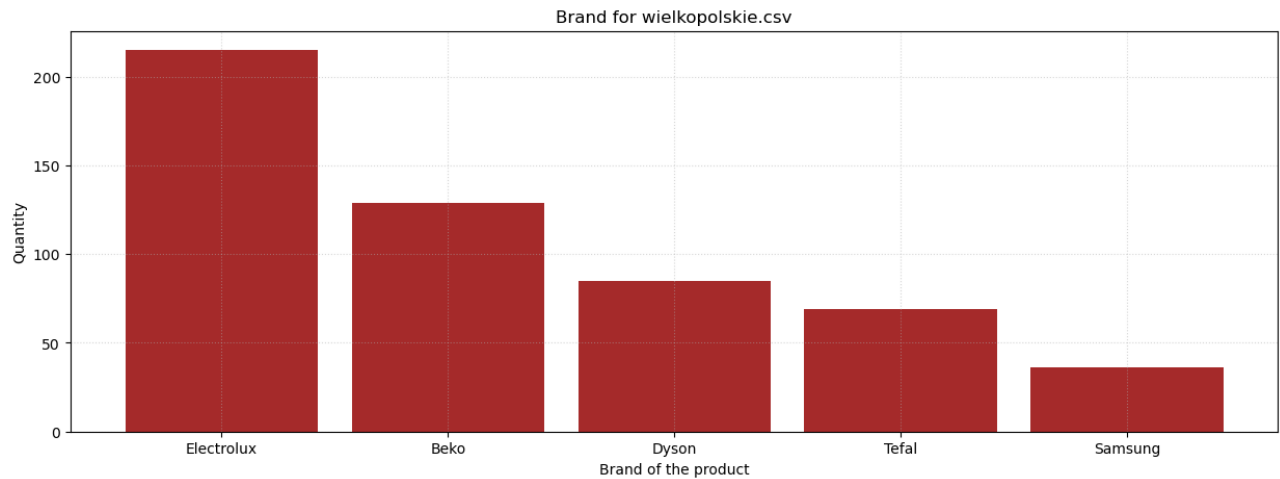
Total diffrent entries: 5

Min value: 36

Max value: 215

Dropped rows: 0

Chart:



Variable name: Buyer_age

Source: data_sort_by_age

Max value: 70

Min value: 18

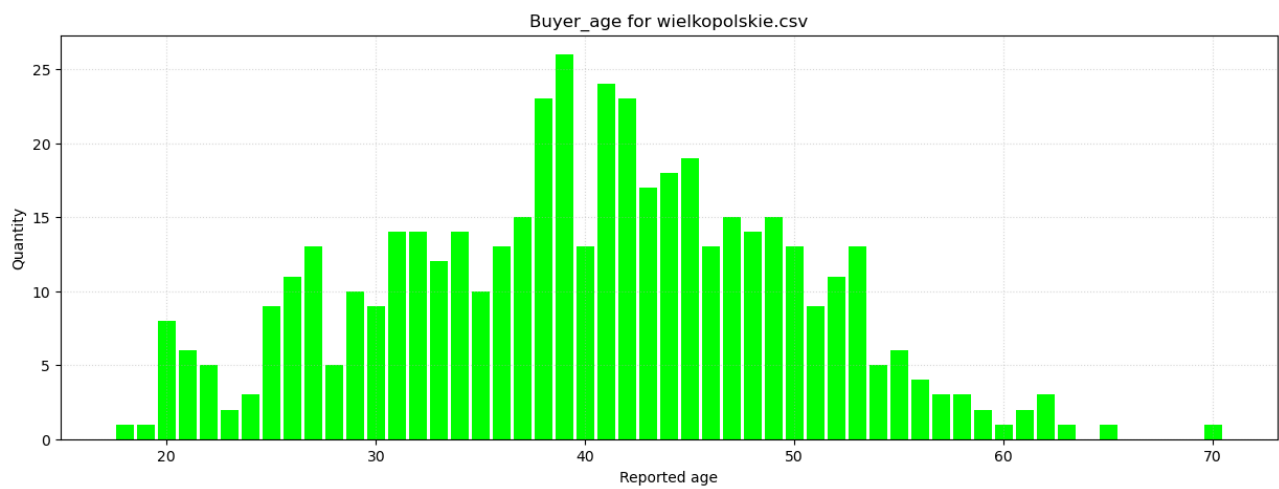
Dropped rows: 61

Table:

Client_no	Days_from_purchase	Brand	Buyer_age	Gender	Rating
93	4	Electrolux	18.0	M	1.0
381	3	Electrolux	19.0	K	3.0
514	6	Electrolux	20.0	M	1.5
165	6	Beko	20.0	M	2.5
446	5	Electrolux	20.0	M	2.0
...
308	11	Electrolux	62.0	M	1.5
190	5	Electrolux	62.0	M	1.5
454	8	Beko	63.0	M	1.5
212	7	Beko	65.0	M	1.5
319	11	Tefal	70.0	M	3.0

473 rows × 6 columns

Chart:



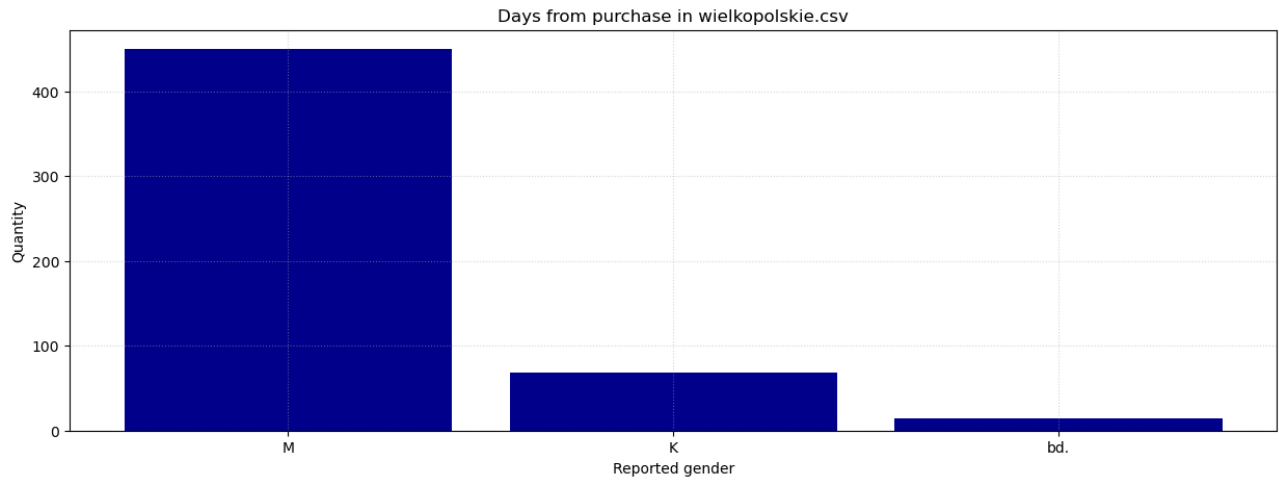
Variable name: Gender
Source: formatted_data
Variable varieties: K, M, bd.
Max value: 450
Min value: 15
Dropped rows: 0

Table:

	Client_no	Days_from_purchase	Brand	Buyer_age	Gender	Rating
0	0	3	Electrolux	41.0	M	3.0
1	1	7	Electrolux	57.0	M	3.0
2	2	9	Electrolux	NaN	K	4.5
3	3	8	Beko	NaN	M	1.5
4	4	10	Beko	35.0	M	2.5
...
529	529	8	Samsung	39.0	M	1.5
530	530	9	Electrolux	26.0	K	1.5
531	531	6	Beko	43.0	M	2.5
532	532	5	Beko	NaN	M	2.5
533	533	9	Electrolux	57.0	K	1.5

534 rows × 6 columns

Chart:



Variable name: Rating

Source: data_sort_by_rating

Values range: 0 – 5, step every 0.5

Max value: 100

Min value: 4

Dropped rows: 0

Table:

Client_no	Days_from_purchase	Brand	Buyer_age	Gender	Rating
243	10	Beko	49.0	M	0.0
497	14	Dyson	45.0	M	0.0
92	9	Tefal	58.0	M	0.0
43	10	Dyson	38.0	M	0.0
244	6	Tefal	42.0	M	0.5
...
409	6	Electrolux	31.0	M	5.0
55	5	Electrolux	34.0	K	5.0
252	8	Electrolux	27.0	M	5.0
447	6	Electrolux	27.0	M	5.0
412	9	Electrolux	44.0	K	5.0

534 rows × 6 columns

Chart:

