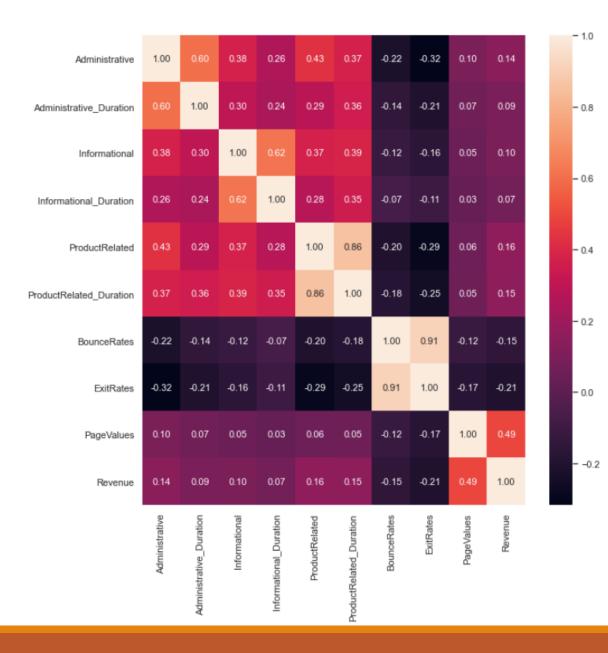
# Online shoppers purchasing intention

KATARZYNA SOLAWA, JAN SMOLEŃ

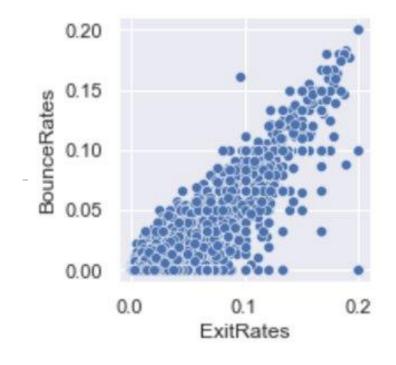
#### Podstawowe informacje

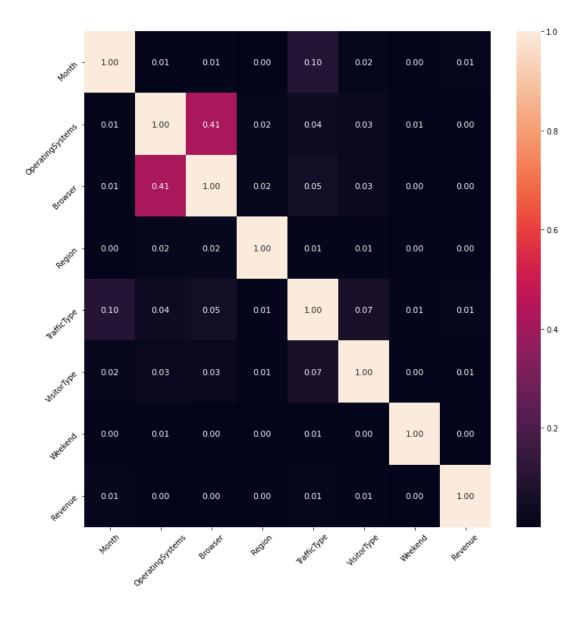
```
df=pd.read csv("online shoppers intention.csv")
df=df.info()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 12330 entries, 0 to 12329
Data columns (total 18 columns):
    Column
                           Non-Null Count Dtype
   Administrative
                         12330 non-null int64
 1 Administrative Duration 12330 non-null float64
 2 Informational 12330 non-null int64
 3 Informational Duration 12330 non-null float64
 4 ProductRelated
                      12330 non-null int64
 5 ProductRelated Duration 12330 non-null float64
 6 BounceRates
                      12330 non-null float64
                       12330 non-null float64
12330 non-null float64
 7 ExitRates
 8 PageValues
 9 SpecialDay
                        12330 non-null float64
 10 Month
                         12330 non-null object
11 OperatingSystems 12330 non-null int64
 12 Browser
                         12330 non-null int64
 13 Region
                         12330 non-null int64
                        12330 non-null int64
 14 TrafficType
 15 VisitorType
                         12330 non-null object
 16 Weekend
                         12330 non-null bool
17 Revenue
                         12330 non-null bool
dtypes: bool(2), float64(7), int64(7), object(2)
memory usage: 1.5+ MB
```

Dataset has 125 (1.0%) duplicate rows	Duplicates
BounceRates is highly correlated with ExitRates	High correlation
ExitRates is highly correlated with BounceRates	High correlation
Administrative has 5768 (46.8%) zeros	Zeros
Administrative_Duration has 5903 (47.9%) zeros	Zeros
Informational has 9699 (78.7%) zeros	Zeros
Informational_Duration has 9925 (80.5%) zeros	Zeros
ProductRelated_Duration has 755 (6.1%) zeros	Zeros
BounceRates has 5518 (44.8%) zeros	Zeros
PageValues has 9600 (77.9%) zeros	Zeros
SpecialDay has 11079 (89.9%) zeros	Zeros

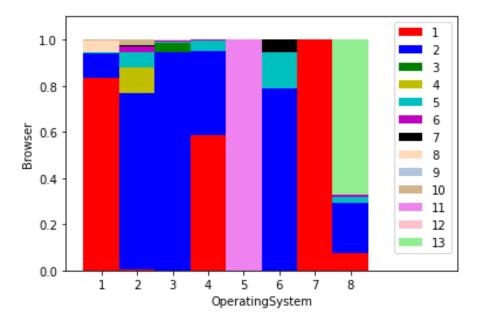


# Skorelowane zmienne

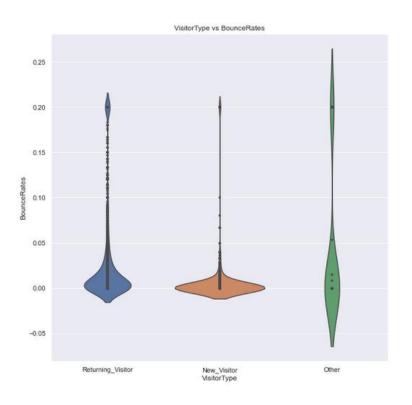


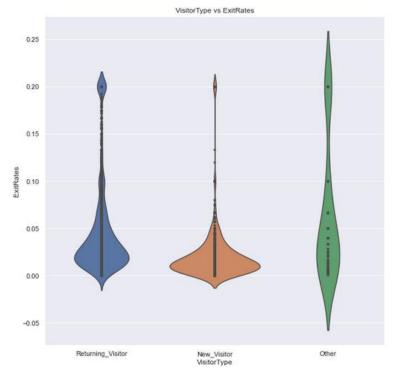


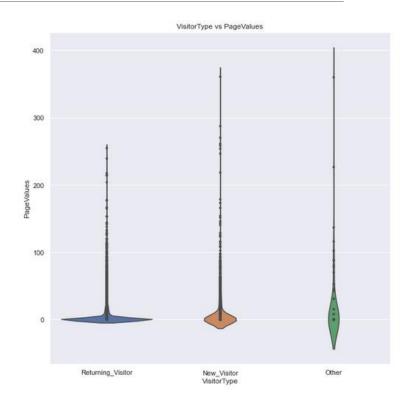
## Informacja wzajemna

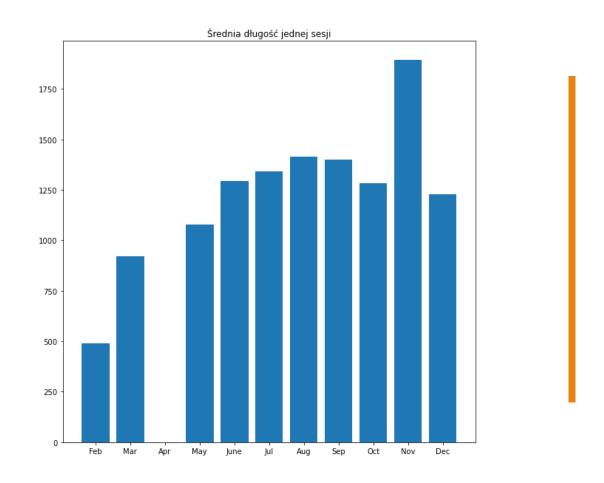


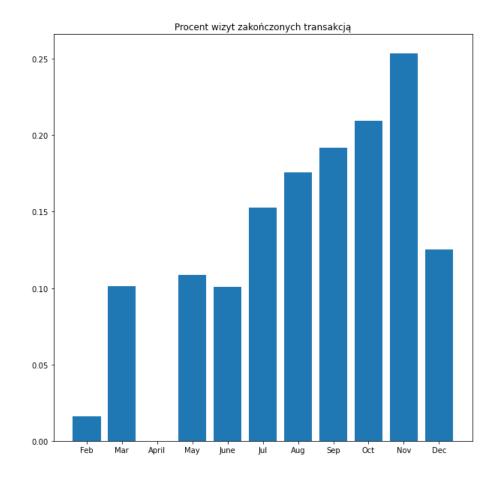
#### VisitorType



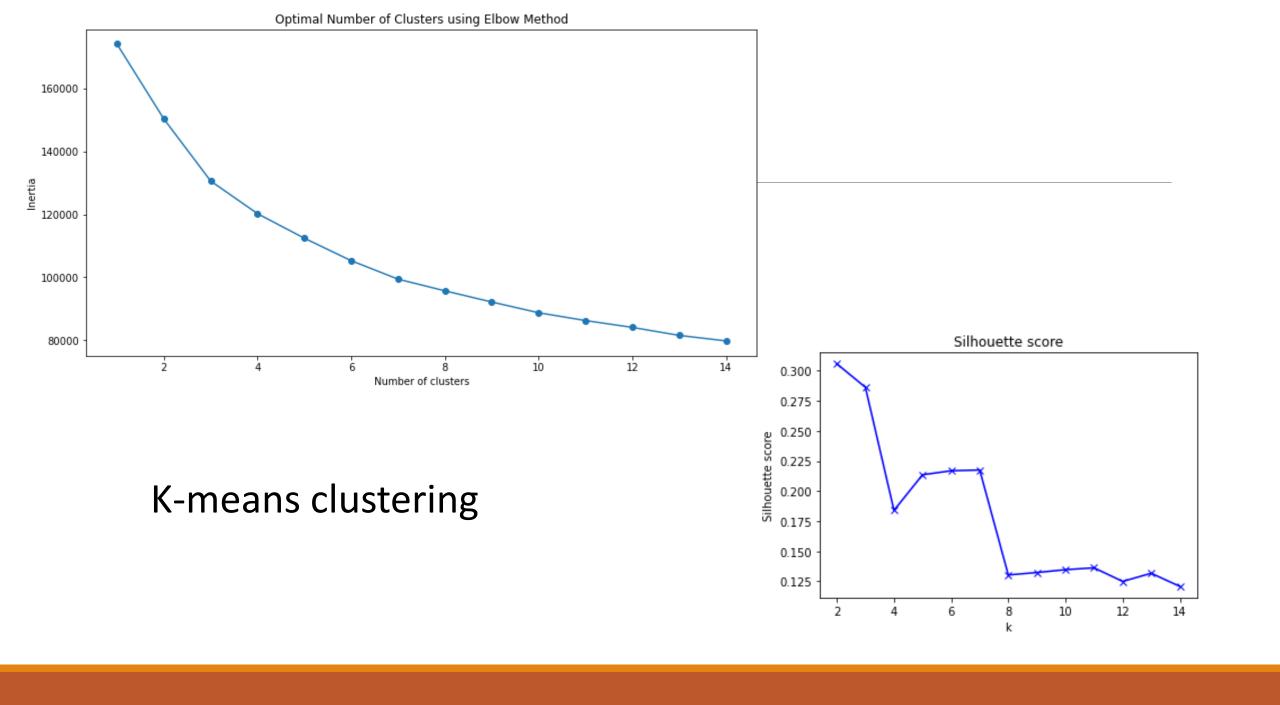


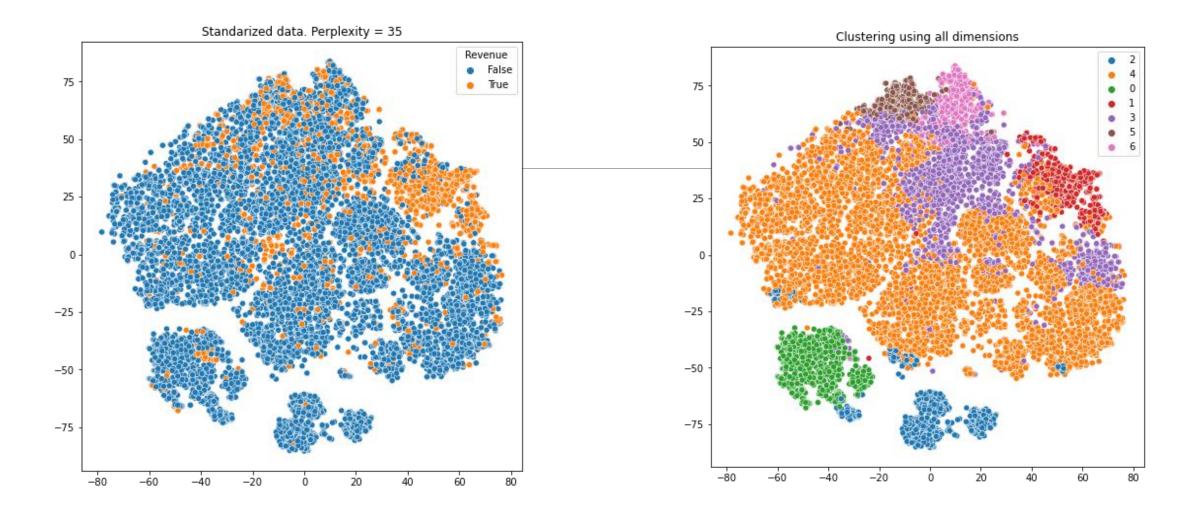


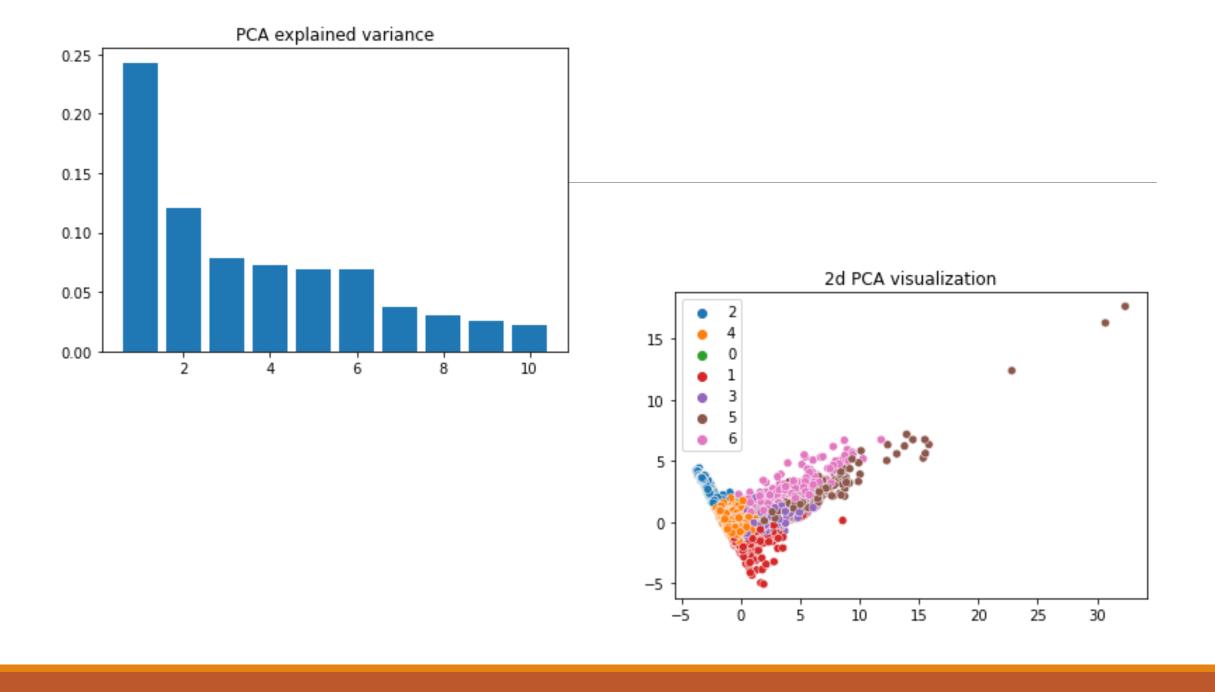


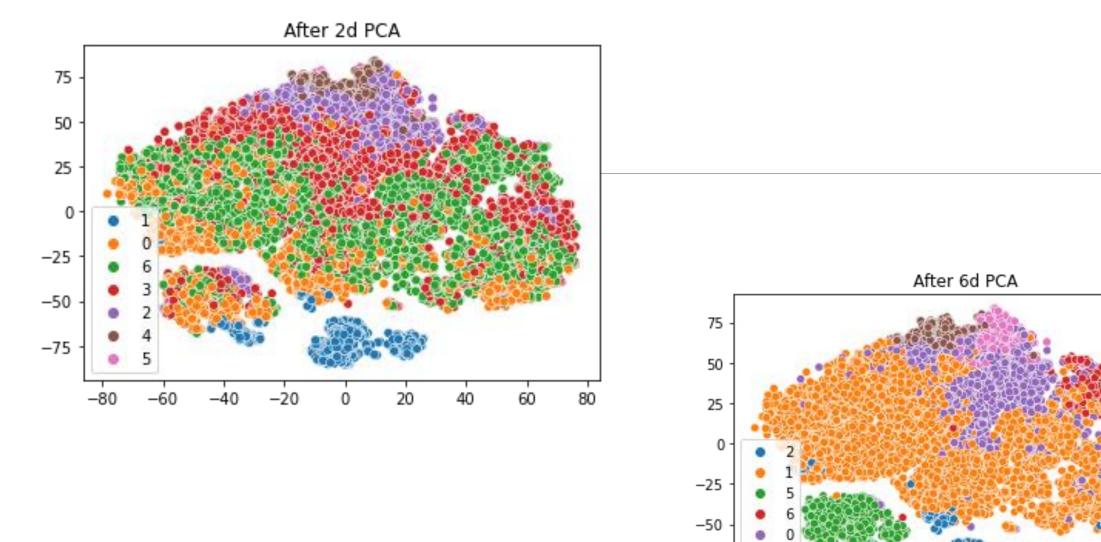


### Transakcje vs miesiące









-75 -

<del>-</del>20

