Pizza Data Analysis

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Data Collection

Due to the pandemic situation, we decided to collect the data for our research exclusively from online sources. This had the advantage, that we did not have to visit several restaurants, which would have been time consuming but also caused some difficulties and also some changes in our initial set of variables. We were not able to record the area of the places, the number of waiters or the number of tables, with which we wanted to measure the ecxlusivity of the places, instead we decided to collect rating on Wolt, NetPincér, Tripadvisor, Google and also Facebook, as well as the number of reviews for reliability. . . .

Descriptive statistics

	mean	median	std	iq_range	min	max	skew	numObs
1	1733.00	1670.00	338.88	500.00	1190.00	2590.00	0.52	69
2	487.63	450.00	206.85	180.30	196.00	1160.00	1.42	61

Table 1: Summary statistics for the margarita and cola prices

	mean	median	std	iq_range	min	max	skew	numObs
1	428.06	400.00	91.08	110.00	340.00	590.00	0.87	31
2	549.19	530.30	268.75	250.38	196.00	1160.00	0.69	30

Table 2: Summary statistics for the actual 500ml cola prices and the estimated ones
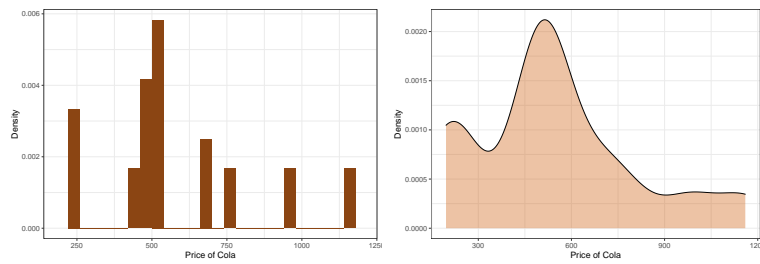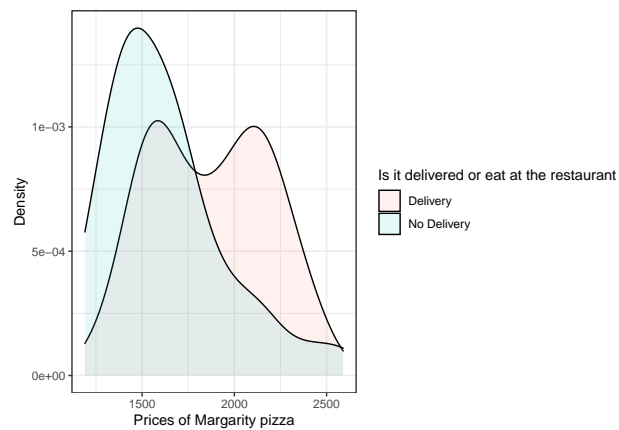
Distribution of Margarita and cola prices
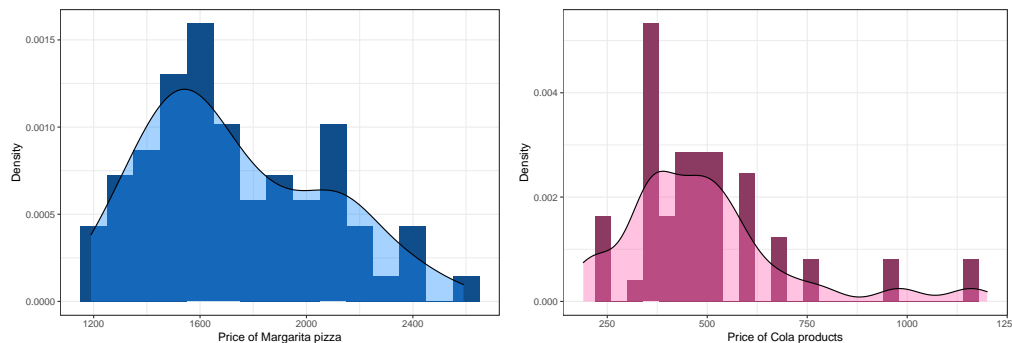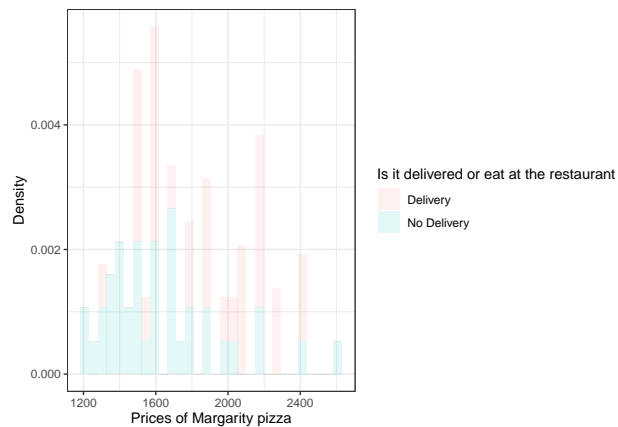
Distribution of real 500ml Cola prices
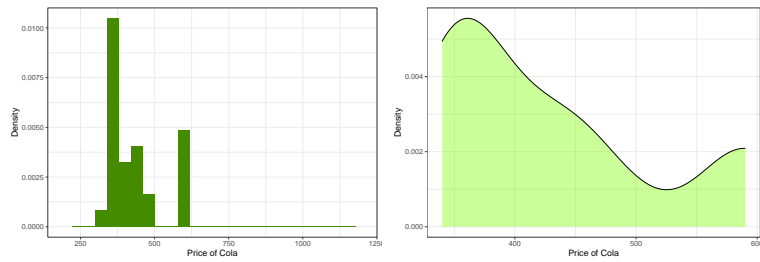
Distribution of estimated 500ml Cola prices

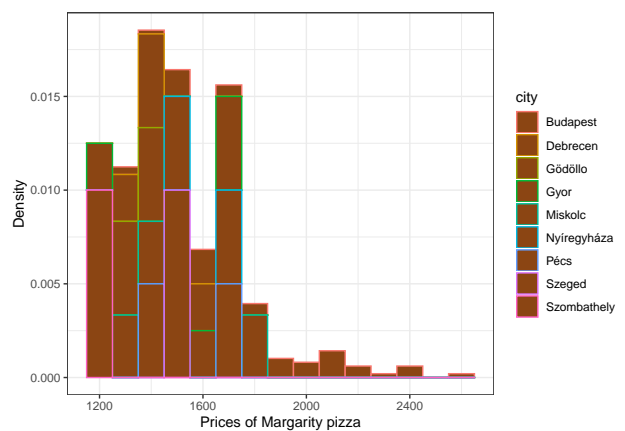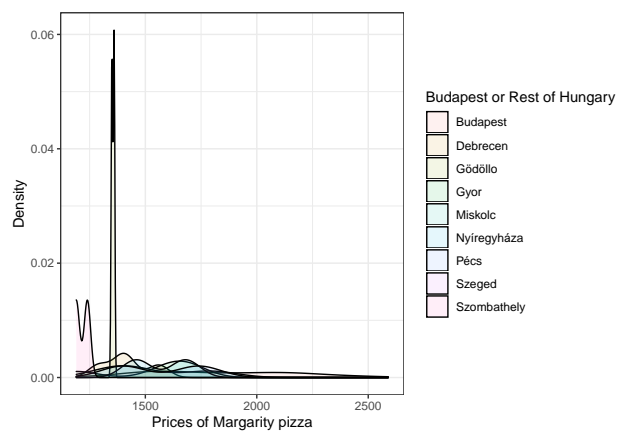# Prices of Margarita pizza online vs offline


```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

2

Prices of Margarita pizza in Budepest vs Rest of Hungary

Hypothesis testing if the mean price online vs offline is the same

Hypothesis testing if the mean price inBudapest or in Rest of Hungary is the same

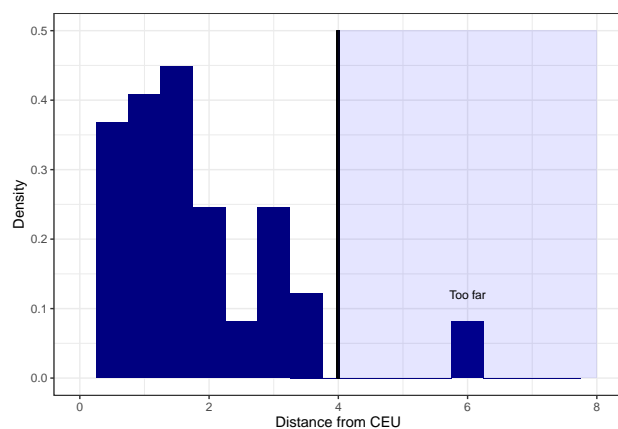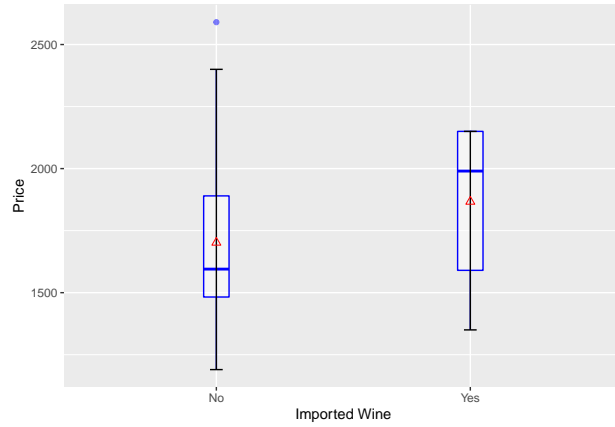## Figure 1.1: Restaurant Distances From CEU

Figure 1.2: Change in Pizza Prices

Figure 1.3: Pizza Price and Size