Predicting Avocado Prices with Different Models

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```
avocado <- read_csv("avocado.csv")
avocado <- avocado %>% mutate(Date = ymd(Date))


avocado [,-1] %>%
    group_by(type) %>%
    describe() %>%
  kbl(caption = "Frequencies of the data", digits = 2) %>%
  kable_classic(full_width = F)
```

```
## Warning in FUN(newX[, i], ...): no non-missing arguments to min; returning Inf
```

```
## Warning in FUN(newX[, i], ...): no non-missing arguments to max; returning -Inf
```

References

Kiggins, J. (2018). *Avocado prices: Historical data on avocado prices and sales volume in multiple US markets*. Retrieved from https://www.kaggle.com/neuromusic/avocado-prices

Shahbandeh, M. (2019). *Average sales price of avocados in the u.s. 2012-2018*. Retrieved from https://www.statista.com/statistics/493487/average-sales-price-of-avocados-in-the-us/

Table 1

Frequencies of the data

	vars	n	mean	sd	median	trimmed	mad	min	
Date	1	18249	NaN	NA	NA	NaN	NA	Inf	
AveragePrice	2	18249	1.41	0.40	1.37	1.38	0.42	0.44	
Total Volume	3	18249	850644.01	3453545.36	107376.76	232479.38	152652.16	84.56	62
4046	4	18249	293008.42	1264989.08	8645.30	58604.80	12775.10	0.00	22
4225	5	18249	295154.57	1204120.40	29061.02	80079.89	42285.68	0.00	20
4770	6	18249	22839.74	107464.07	184.99	3375.02	274.27	0.00	2
Total Bags	7	18249	239639.20	986242.40	39743.83	67480.14	55300.92	0.00	19
Small Bags	8	18249	182194.69	746178.51	26362.82	49175.03	37953.80	0.00	13
Large Bags	9	18249	54338.09	243965.96	2647.71	12057.05	3925.49	0.00	5
XLarge Bags	10	18249	3106.43	17692.89	0.00	243.54	0.00	0.00	
type*	11	18249	1.50	0.50	1.00	1.50	0.00	1.00	
year	12	18249	2016.15	0.94	2016.00	2016.10	1.48	2015.00	
region*	13	18249	27.50	15.58	27.00	27.50	19.27	1.00	