

b. i. By comparison, it can be concluded that organic avocados have ~~an~~ a higher average price than conventional avocados. Because, the median value of conventional avocados is lower on the boxplot than organic, with little spread where only ~~20%~~ 25% or lesser conventional avocados have the median (at least) price ~~or higher than that~~ of organic avocados; thus, only outliers. Plus, the price of conventional avocados skews ~~t~~ the ~~left~~ which means most of their prices is on the lower side. right

ii. $\text{sum_con} \leftarrow 0$
 $\text{sum_org} \leftarrow 0$
 $\text{avg_con} \leftarrow 0$
 $\text{avg_org} \leftarrow 0$

$\text{conv_list} \leftarrow \text{filter}(\text{data_avocado}, \text{type} == \text{"conventional"})$
 $\text{sum_con} \leftarrow \text{sum}(\text{conv_list} \$ \text{average_price}, \text{na.rm} = \text{TRUE})$

$\text{org_list} \leftarrow \text{filter}(\text{data_avocado}, \text{type} == \text{"organic"})$
 $\text{sum_org} \leftarrow \text{sum}(\text{org_list} \$ \text{average_price}, \text{na.rm} = \text{TRUE})$

$\text{avg_con} \leftarrow (\text{sum_con} / \text{nrow}(\text{conv_list}))$
 $\text{avg_org} \leftarrow (\text{sum_org} / \text{nrow}(\text{org_list}))$

$\text{my_tibble} \leftarrow \text{tibble}(\text{Type} = \text{c}(\text{"Conventional"}, \text{"Organic"}),$
 $\text{avg_price} = \text{c}(\text{avg_con}, \text{avg_org}))$

my_tibble

iii. The number of bins was increased in panel (c) compared to panel (B). ~~Plus, a line code similar to aes(y = ... density..)~~
~~was added in panel (c) which is why the y-axis scales are~~
~~different.~~ The histograms in panel (c) reflect frequency ~~density~~
^{also} while those in panel (B) reflect frequency. The y-scales are
different because there are lower frequencies for each bin now in panel (c)