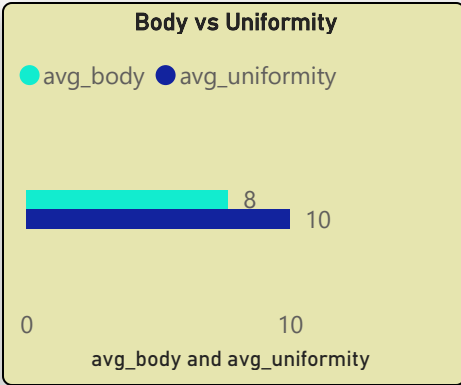
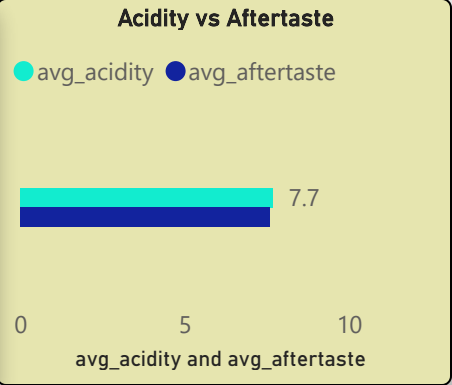
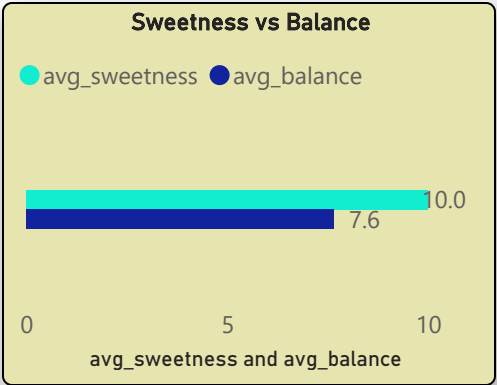
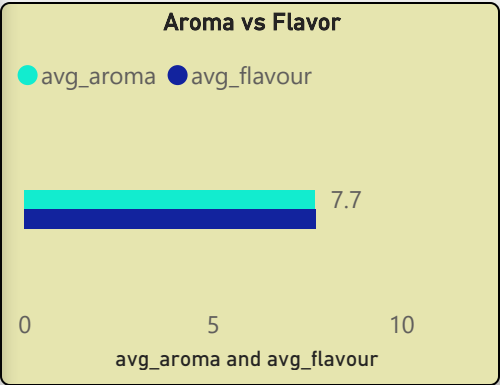
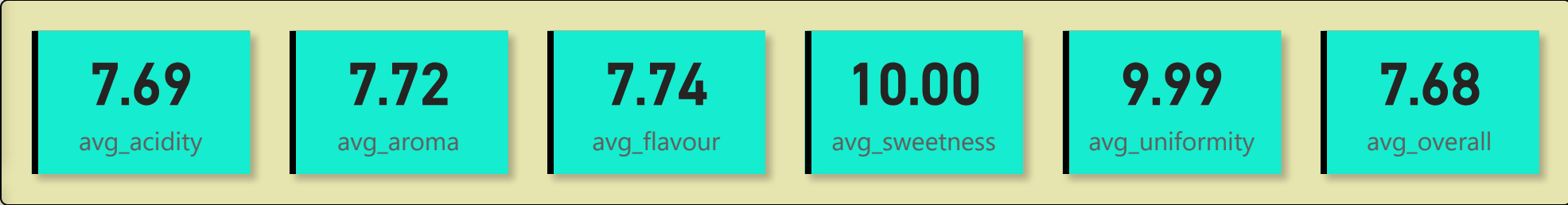


The key determinants of coffee quality as evaluated through sensory attributes such as aroma, flavor, acidity, etc.



Processing Method	avg_acidity	avg_aftertaste	avg_aroma	avg_balance	avg_body	avg_flavour	avg_overall	avg_uniformity	avg_totalcup_points	avg_sweetness	Sum of Acidity	Sum of Flavor
Wet Hulling	7.83	7.83	7.67	7.75	7.67	7.67	7.83	10.00	84.25	10.00	7.83	7.67
Washed / Wet	7.68	7.58	7.71	7.64	7.64	7.73	7.67	9.99	83.65	10.00	952.19	958.90
unknown	7.87	7.68	7.87	7.73	7.65	7.83	7.78	10.00	84.42	10.00	39.33	39.17
SEMI-LAVADO	6.83	6.67	7.25	6.67	6.83	7.08	6.67	10.00	78.00	10.00	6.83	7.08
Semi Washed	8.17	8.08	8.33	8.17	7.92	8.42	8.33	10.00	87.42	10.00	8.17	8.42
Pulped natural / honey	7.68	7.61	7.67	7.61	7.62	7.73	7.64	10.00	83.55	10.00	191.91	193.25
Natural / Dry	7.68	7.61	7.73	7.64	7.64	7.74	7.68	9.99	83.70	10.00	353.21	356.25
Honey,Mossto	8.25	8.08	8.33	7.92	7.92	8.33	8.25	10.00	87.08	10.00	8.25	8.33
Double Carbonic Maceration / Natural	7.92	7.75	7.83	7.83	7.67	7.92	7.83	10.00	84.75	10.00	7.92	7.92
Double Anaerobic Washed	8.58	8.42	8.58	8.42	8.25	8.50	8.58	10.00	89.33	10.00	8.58	8.50
Anaerobico 1000h	7.67	7.58	7.67	7.58	7.58	7.67	7.50	10.00	83.25	10.00	7.67	7.67

correlation

between processing methods, origin regions, and coffee quality scores

Variety

All

Processing Me...

All

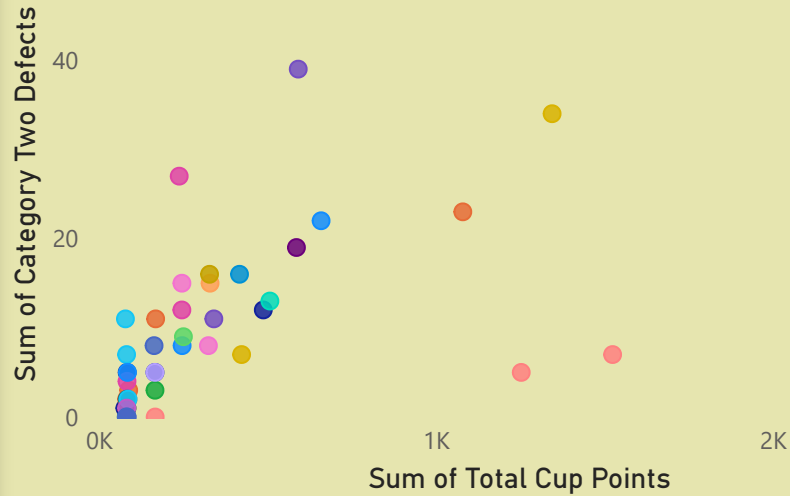
Harvest Year

All

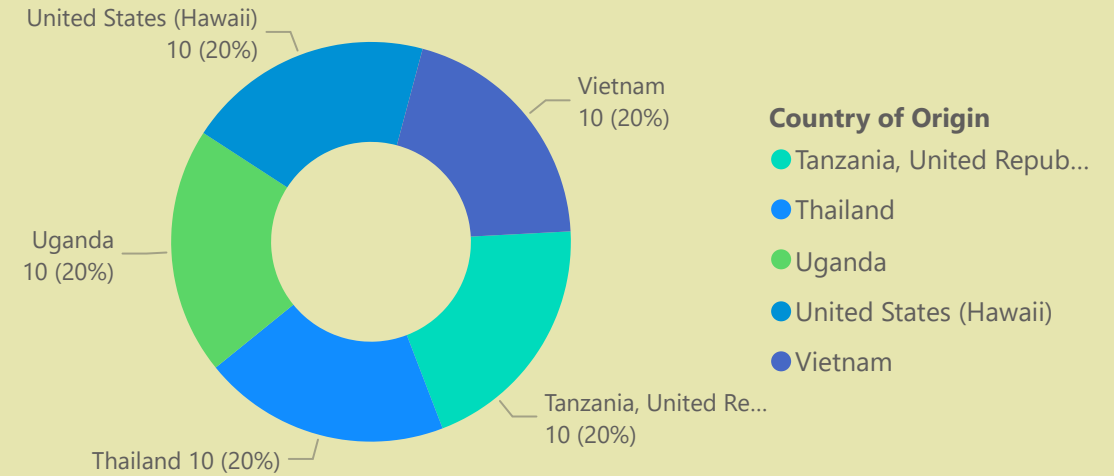
COFFEE
PLEASE!



Total Cup Points by Country Category Two Defects



avg_uniformity by Country of Origin



KPI by country region

① Country of Origin has more than 10 unique values. This may impact the quality of the analysis. [Learn more](#)

Key influencers Top segments

What influences Country of Origin to be ?

When...

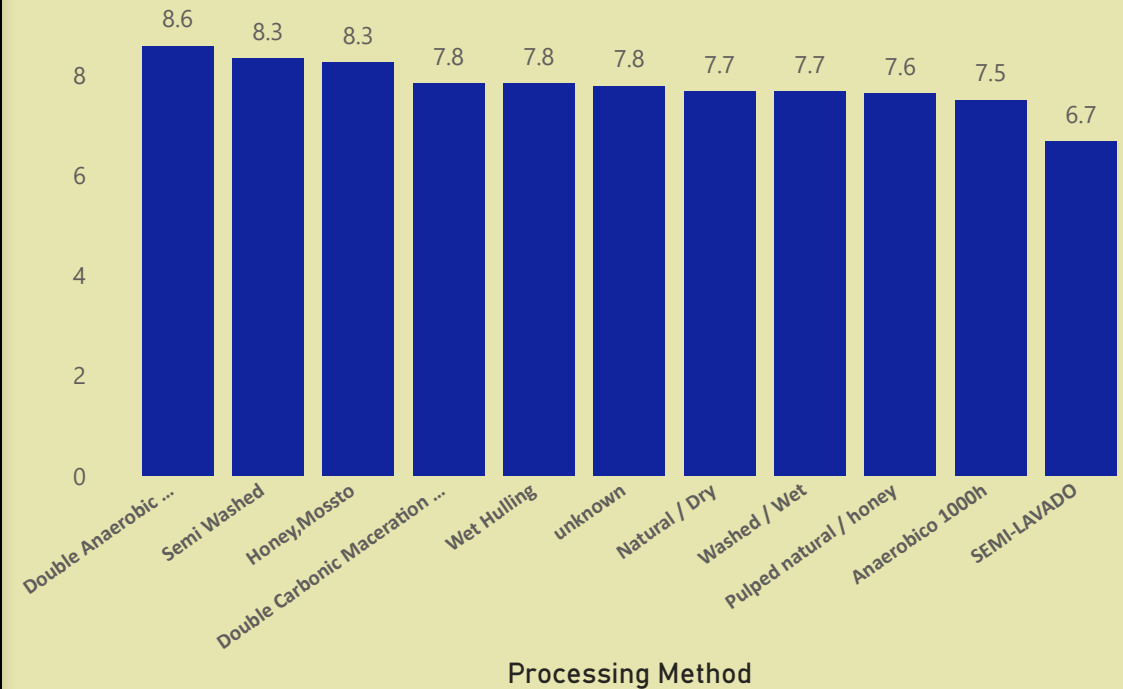
....the likelihood of Country of Origin being Brazil increases by

avg_aroma goes down 0.29 → 2.87x

avg_uniformity goes up 0.10 → 1.29x

avg_flavour goes down 0.28 → 1.15x

avg_overall by Processing Method



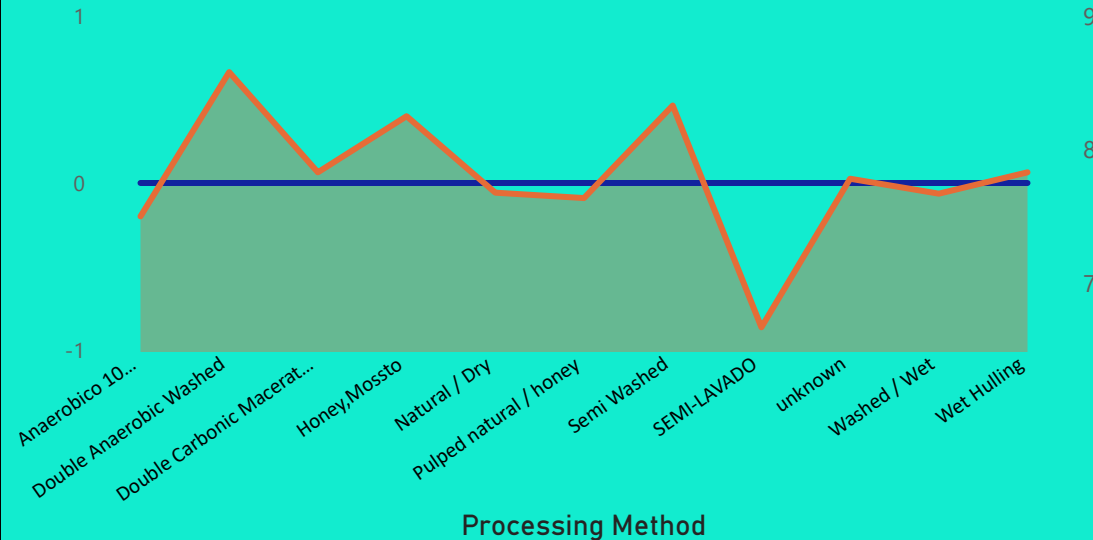


defect occurrences

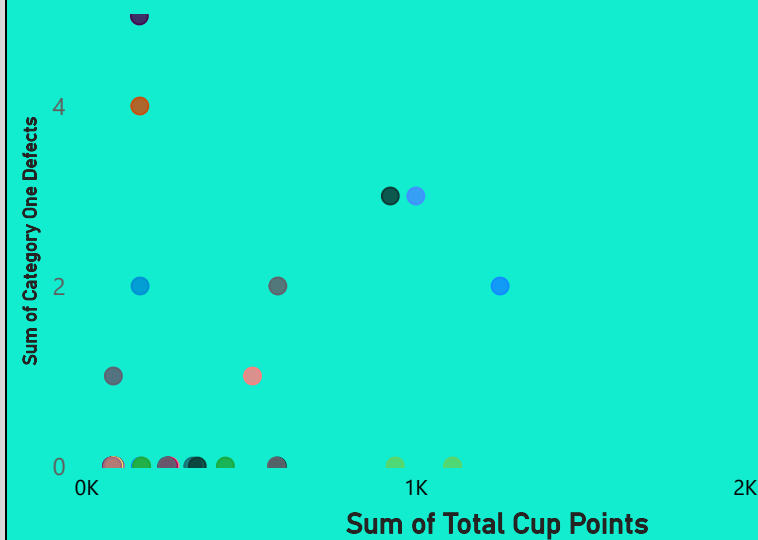
Can we identify any trends or patterns in defect occurrences and their impact on overall coffee quality?



overall defects with processing method



one defect



At 8, [2017 / 2018](#) had the highest Average Overall without Defects and was 14.29% higher than [2023](#), which had the lowest Average Overall without Defects at [7](#).

[2017 / 2018](#) had the highest Average Overall without Defects at [8](#), followed by [2021 / 2022](#) and [2022](#). [2023](#) had the lowest Average Overall without Defects at [7](#).

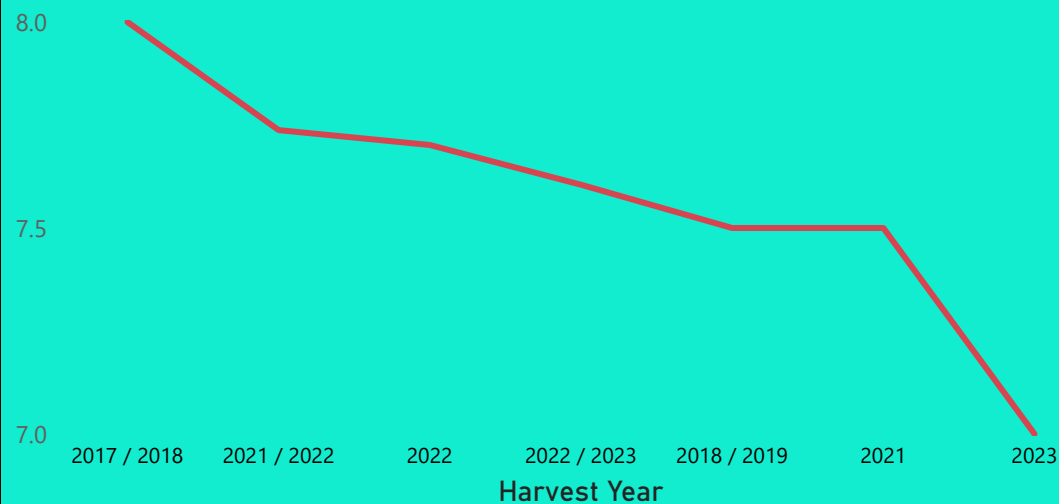
Across all 7 Harvest Year, Average Overall without Defects ranged from [7](#) to [8](#).

Average Overall with Defects and total Sum of Defects are negatively correlated with each other.

[Washed / Wet](#) had the highest Sum of Total Cup Points ([2247](#)) and [Natural / Dry](#) had the highest Sum of Category One Defects (5). The Variety with the highest Sum of Total Cup Points was [Caturra](#) and the Variety with the highest Sum of Category One Defects was [SHG](#).

Most Processing Method were below [237.36](#) in Sum of Total Cup Points and below [0](#) in Sum of Category One Defects.

Average Overall without Defects by Harvest Year



Two defects





How do different variables interact to influence the Total Cup Points, which represent an overall measure of coffee quality?



Key influencers Top segments



What influences Total Cup Points to ?

When...
....the average of Total Cup Points increases by

Sum of Acidity goes up 0.26

0.54

Sum of Flavor goes up 0.28

0.53

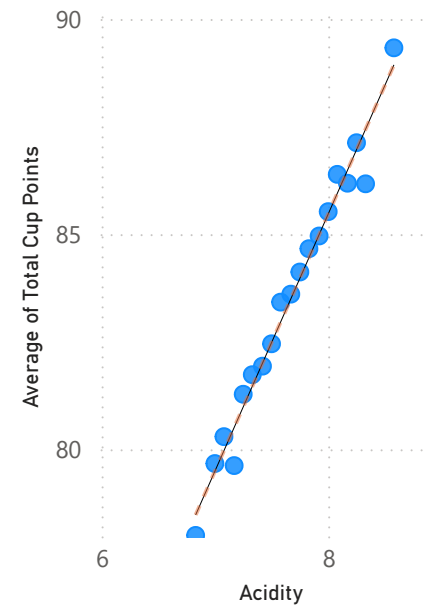
Sum of Aftertaste goes up 0.28

0.47

Sum of Aroma goes up 0.29

0.27

← On average when Sum of Acidity increases, Total Cup Points also increases.



Key influencers Top segments



What influences Total Cup Points to ?

When...
....the average of Total Cup Points decreases by

Sum of Acidity goes down 0.26

0.54

Sum of Flavor goes down 0.28

0.53

Sum of Aftertaste goes down 0.28

0.47

Sum of Aroma goes down 0.29

0.27

← On average when Sum of Acidity decreases, Total Cup Points also decreases.

