



WHO WE ARE?

5 data analysts consultants hired by Olist's CEO.

WHY?



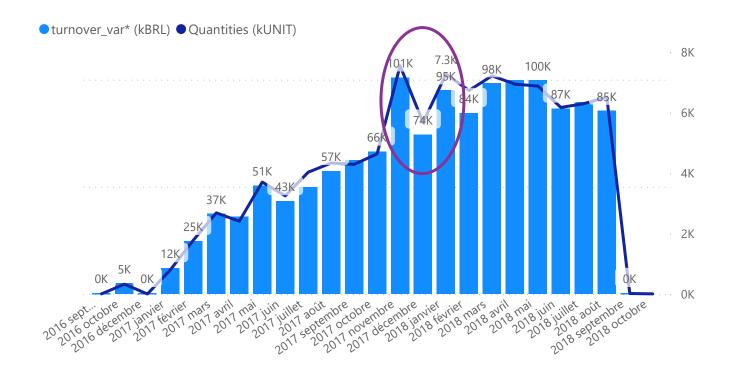
Olist connects small businesses from all over Brazil to channels without hassle and with a single contract. Those merchants are able to sell their products through the Olist Store and ship them directly to the customers using Olist logistics partners.

Question raised by Olist's CEO: How to increase customer satisfaction while keeping orders sound?

HOW?



- scope of data (orders from sept.2016 to oct.2018)
- data exploration
- compute turnover
- select top 20 categories by turnover
- •run correlation analyses on top 20
- extra analysis on most correlated variable (delivery time)



Sellers by region & turnover_var

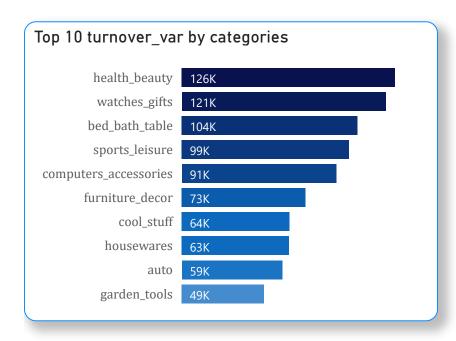


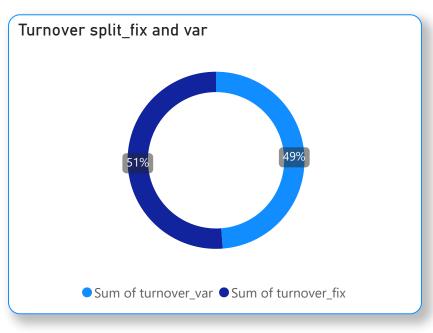
Olist

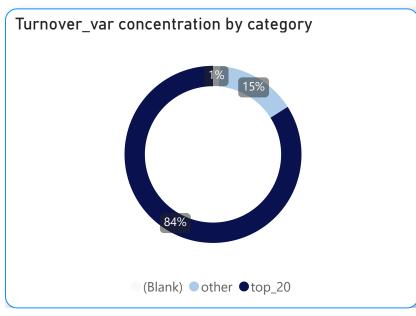
Key Performance Indicators

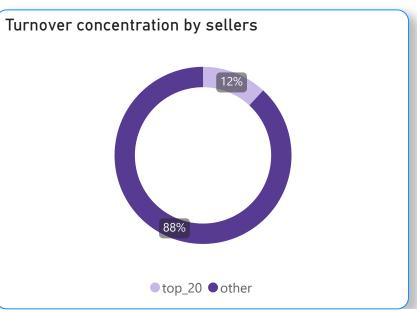
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Turnover (kBRI	2,77	2K			
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Quantities					
	112	2K			
					\leq
Active sellers					
3095					
Average review score					
4.09					
Average activity time (months)					
6					
Ton gotogopies					
Top categories					
health_beauty	bed_bath_table	furniture	auto	ga toy	S
	sports_leisure	cool_stuff			
watches_gifts			baby	t	
	computers_acces	housewares			
			perfun	nery	

What is Olist's turnover split down by type, categories, sellers?



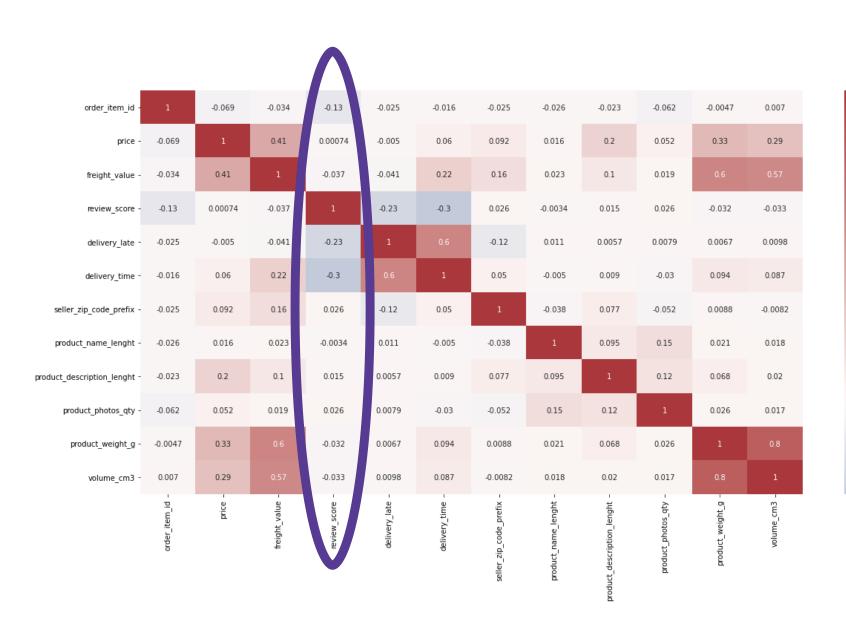






- Olist's turnover has 2 components, a variable component 51% of total Turnover which includes a 10%-fee based on the price of each product sold through the platform and a fixed component 49% of total Turnover including a 80 BRL commission payed by each active seller.
- Variable turnover is highly concentrated among categories since top 20 categories account for 85% of Olist' variable turnover.
- **Turnover** is highly diluted among sellers as top 20 sellers only account for 12% of total turnover.
- Top 20 sellers exhibit higher activity time (17 months) versus 6 months for the rest.
- Top 20 sellers have the same average score than the rest.

Is review score correlated to any other variable?



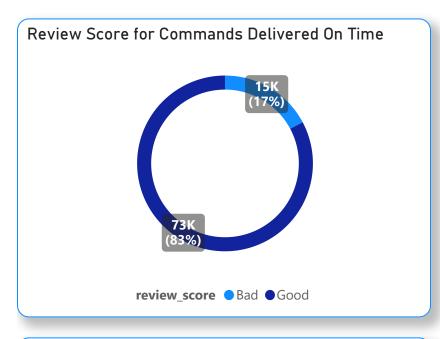
- Correlation analysis on SELECTED TOP 20 CATEGORIES
- No relevant correlations

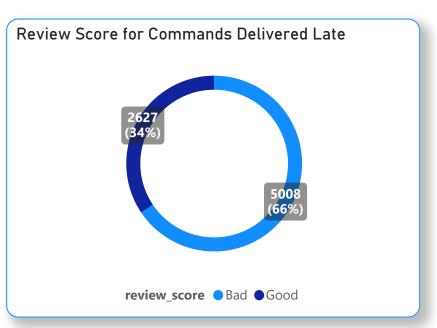
- 0.2

- -0.2

Delivery time => highest r score

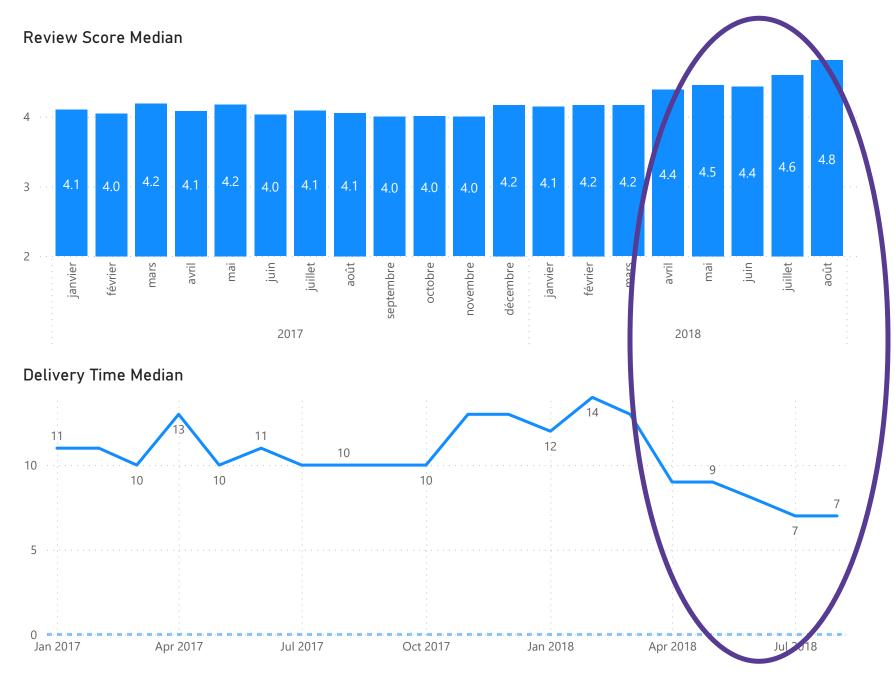
How does delivery time impact review score?







Evolution of Review Score vs Delivery Time.



• Increase Review Score when Delivery Time Decrease

How to increase customer satisfaction while keeping orders sound?

KEY FINDINGS

- No relevant correlations between reviews and other variables (number of photos, weight, product description)
- Highest correlation of 0.3 ==> Delivery time
- 1/3 of orders delivered late have good reviews.
- · No subscription date for sellers

KEY LIMITATIONS

- Focus on top 20
- Only 40% of reviews have a comment
- Only two years of data, very limited for correlations, analyses etc...



ACTION PLAN

- Conduct specific customers studies (questionnaire) to better understand the drivers of the reviews
- Keep on improving delivery time
- Add a field to sellers database to determine subscription beginning and end