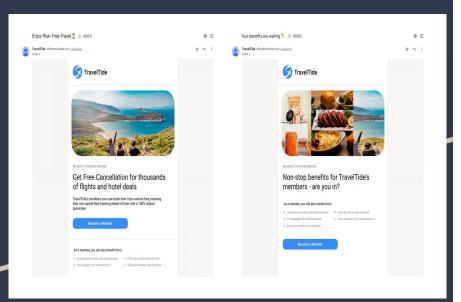
TravelTide Customer Segmentation

Analysis

By: Hugo Gomes



## Introduction & Methodology



- Data Overview: 50,570 Sessions, 5,998 Unique Customers.
- Objective: Understand Customer Behavior.
- Outcome: Assign Customized Perks to Customers.
- Customer Segmentation into "Traveller Tribes".
- Features Selected for Analysis.
- Optimized Perk System for Each "Tribe".

## Analysis & Findings

- Identified Customers Segments.
- "Tribe" Preferences.
- Impact of Tailored Perks.

_	Traveller Tribes Heatmap				
total_sessions_zscaled -	-0.012	-0.108	-0.055	0.318	0.033
total_cancellation_rate_zscaled -					
average_checked_bags_zscaled -	0.101			0.481	0.092
conversion_rate_zscaled -	0.365		-0.820	0.668	0.096
prefers_flights_zscaled -	-0.140	-0.152	-0.140	0.237	0.466
prefers_hotels_zscaled -		0.341	0.510		0.021
prefers_both_zscaled -	0.472		-0.811	0.297	-0.114
click_efficiency_zscaled -	-0.179	-0.007	0.032	0.900	-0.081
average_clicks_zscaled -	-0.085				-0.201
discount_responsiveness_zscaled -		-0.101	0.024	-0.084	1.279
flight_discount_proportion_zscaled -	-0.023	0.005	0.023	-0.067	0.070
average_flight_discount_zscaled -	-0.151	-0.032	-0.036	-0.027	0.420
ည hotel_discount_proportion_zscaled -	-0.035	-0.027	-0.006	-0.056	0.152
average_hotel_discount_zscaled -	-0.193	-0.056	-0.063	-0.004	0.548
both_discount_proportion_zscaled -		-0.123	-0.052	-0.075	1.290
flight_hunter_index_zscaled -	-0.010	-0.079	-0.127	0.051	0.164
hotel_hunter_index_zscaled -	-0.031	-0.123	-0.120	0.033	0.279
days_since_last_session_zscaled -	-0.085	0.085	0.052	0.001	0.049
total_hotel_usd_spent_zscaled -	0.319			0.333	-0.037
total_flight_usd_spent_zscaled -	0.045			1.333	-0.094
age_group_18-35_zscaled -		1.352		0.086	
age_group_36-55_zscaled -	0.750	-1.170	-1.287	-0.098	0.572
age_group_56+_zscaled -	-0.308	-0.308	3.249	-0.026	-0.301
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Traveller Tribe

## Recommendations

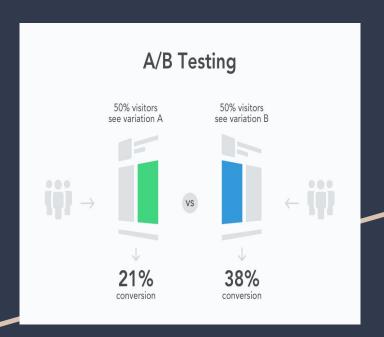


Pilot Program.

Further optimization of Perks by "Tribe":

- → Mature & Balanced Travellers.
- → Young Hotel Enthusiasts.
- → Highly Active & Indecisive Travellers.
- → Middle-Aged Discount Hunters.
- → Senior Hotel Lovers.

## Conclusion



Do not launch immediately.

Perform A/B test.

Roll-out based on real-life tested data.

Further monitorization and investigations.

