Itinerary Builder Model

Welcome. This web app is designed to calculate all available itineraries between an indicated city pair in a particular market, or between all city pairs in the market. Furthermore, it calculates the selection probability of each of the available itineraries to indicate the itiniery most likely to be chosen for the selected city pair. This can help airline management determine a market's competition to assess entry criteria.
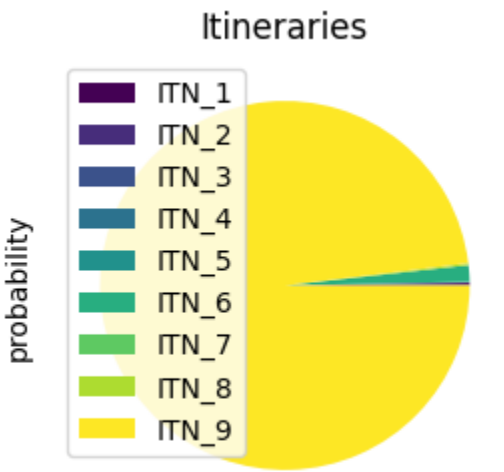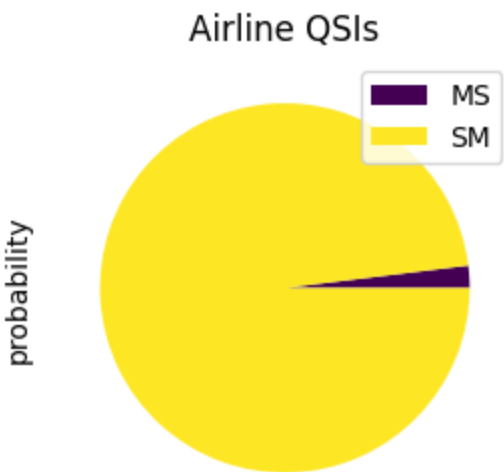
Select City Pair

From: LXR ⌄   **To:** SSH ⌄

[Get Probabilities]

Airline QSIs

Market HHI Score: **0.962**

Market Airlines' QSIs

Airline	Probability	QSI
MS	1.94%	0.019359471339865198
SM	98.06%	0.9806405286601348

Itineraries

Itinerary Scoring

deprt_time	prop	capacity	distance	regional	flight_path	arrive_time	service_lvl	first_layover	second_layover	itn_
2023-01-01 06:50:00	0	162	883	0	LXR -> CAI -> SSH	2023-01-01 10:30:00	1	0 days 01:30:00	0 days 00:00:00	-6.623726
2023-01-01 08:40:00	0	162	883	0	LXR -> CAI -> SSH	2023-01-01 14:40:00	1	0 days 03:50:00	0 days 00:00:00	-10.05012
2023-01-01 09:10:00	0	162	883	0	LXR -> CAI -> SSH	2023-01-01 14:40:00	1	0 days 03:20:00	0 days 00:00:00	-9.334126
2023-01-01 10:00:00	0	162	883	0	LXR -> CAI -> SSH	2023-01-01 14:40:00	1	0 days 02:30:00	0 days 00:00:00	-8.091826
2023-01-01 15:25:00	0	162	883	0	LXR -> CAI -> SSH	2023-01-01 20:50:00	1	0 days 03:15:00	0 days 00:00:00	-9.062426