

Sunsets variation with Sunrises, and the impact on Day Lengths

S. Naveera Fatima Rizvi

Date: 2022-07-30

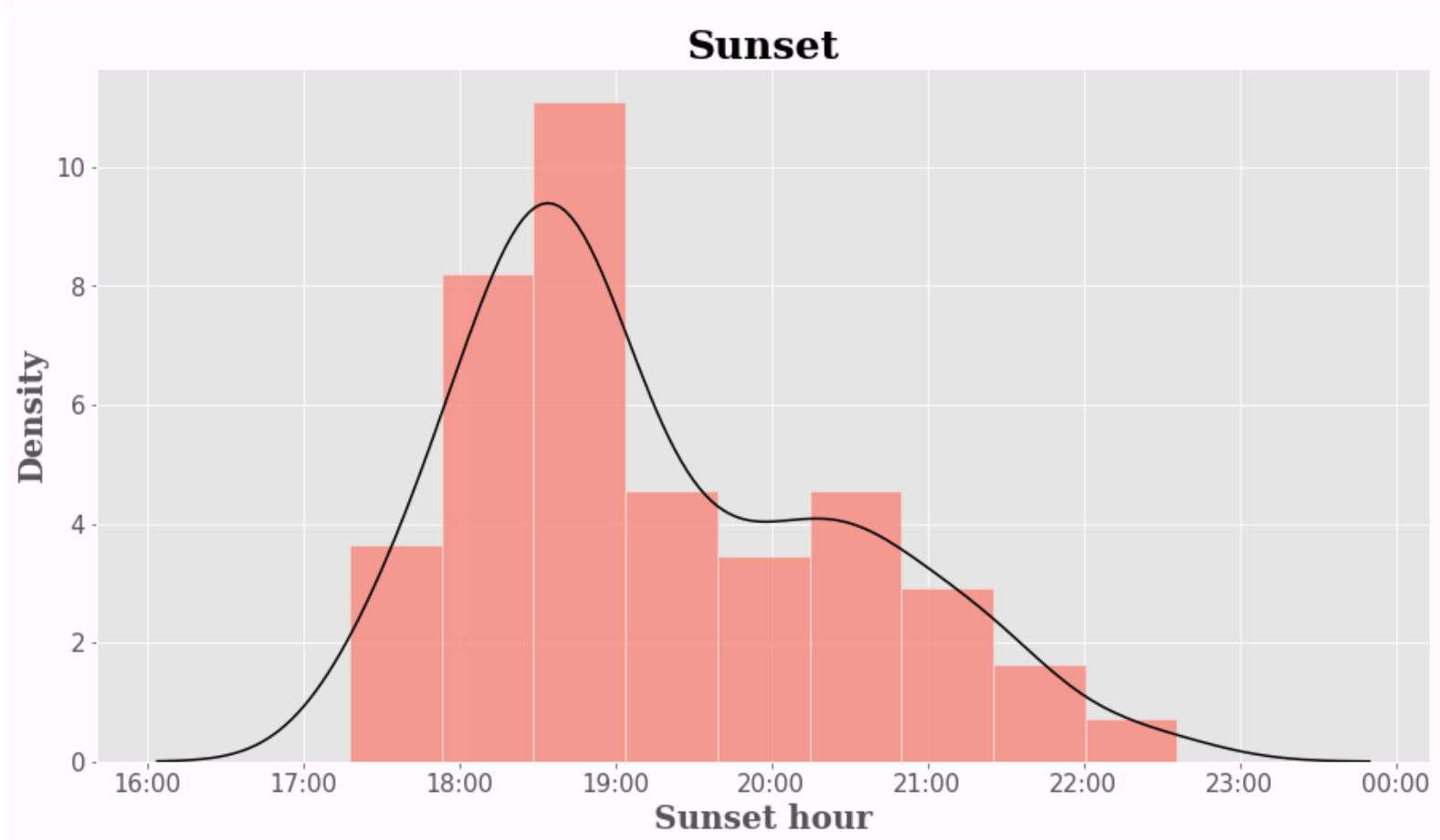
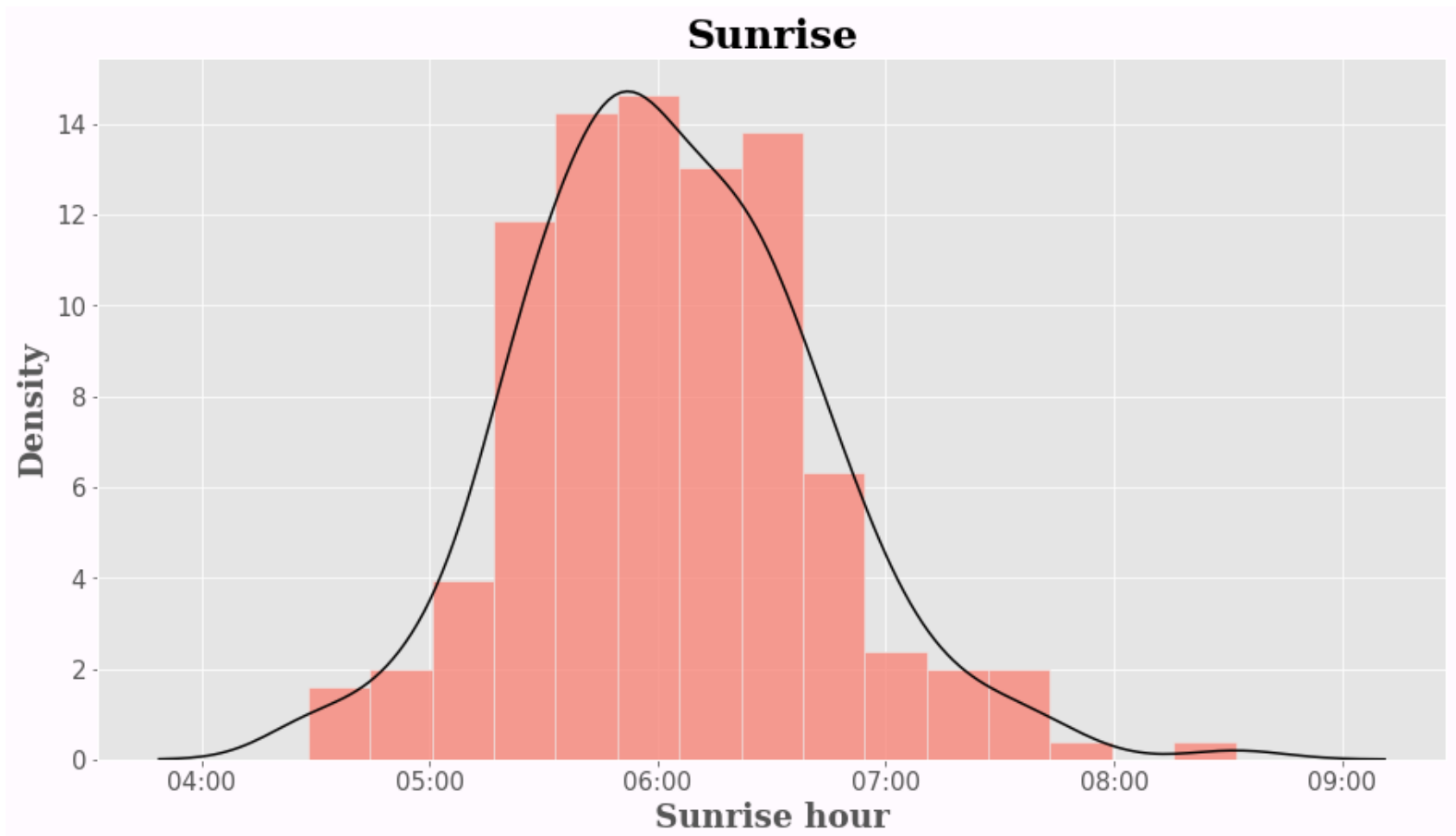
Cities with the shortest Days

	City	Country	Sunrise	Sunset	Day length
0	Stanley	Falkland Islands	08:32	17:23	08:51
1	Wellington	New Zealand	07:32	17:23	09:51
2	Canberra	Australia	07:01	17:18	10:17
3	Buenos Aires	Argentina	07:49	18:10	10:20
4	Montevideo	Uruguay	07:41	18:01	10:20

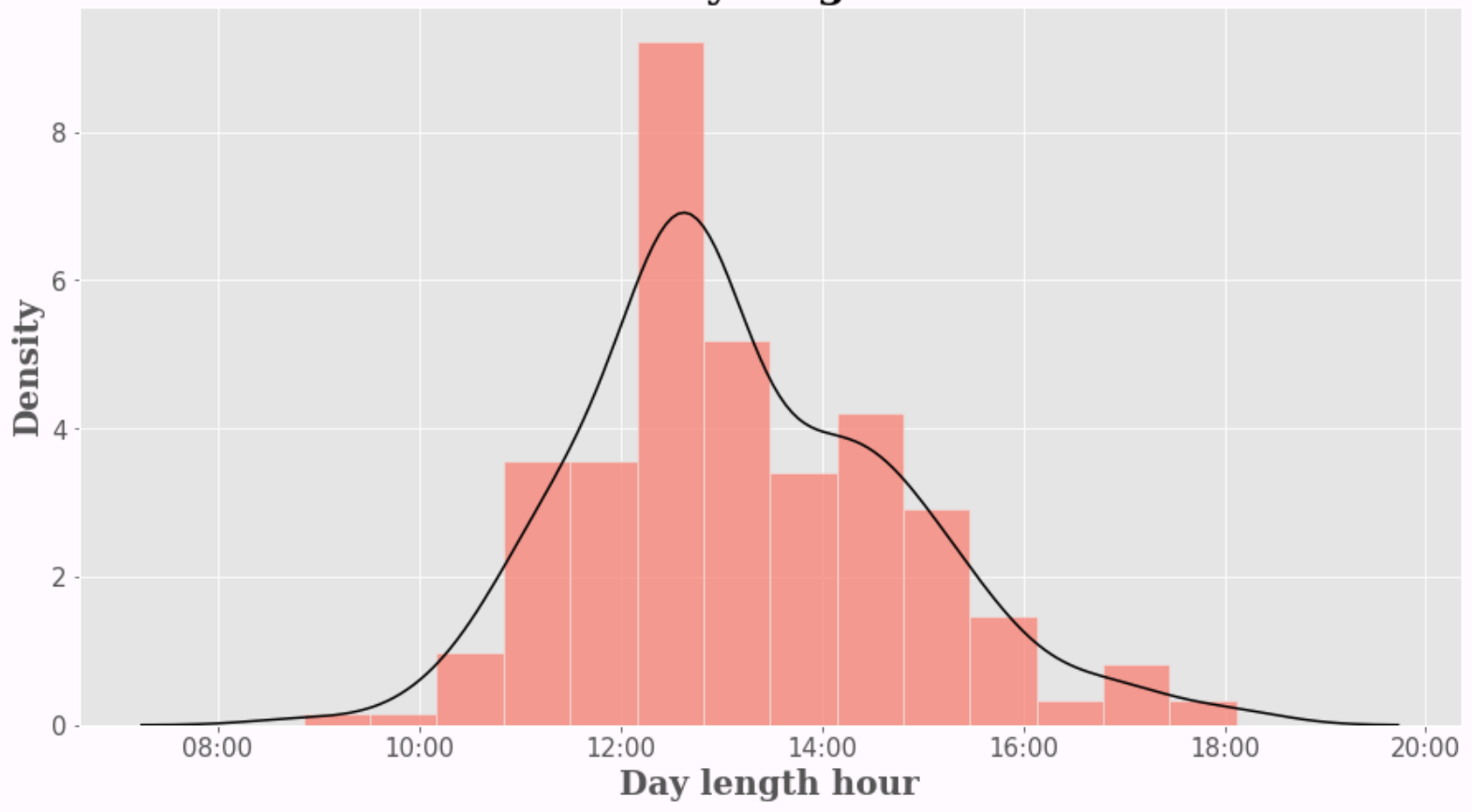
Cities with the longest Days

	City	Country	Sunrise	Sunset	Day length
219	Mariehamn	Åland	05:16	22:15	16:58
220	Helsinki	Finland	04:56	21:55	16:59
221	Tórshavn	Faroe Islands	04:48	22:16	17:27
222	Reykjavík	Iceland	04:29	22:36	18:06
223	Nuuk	Greenland	04:28	22:35	18:07

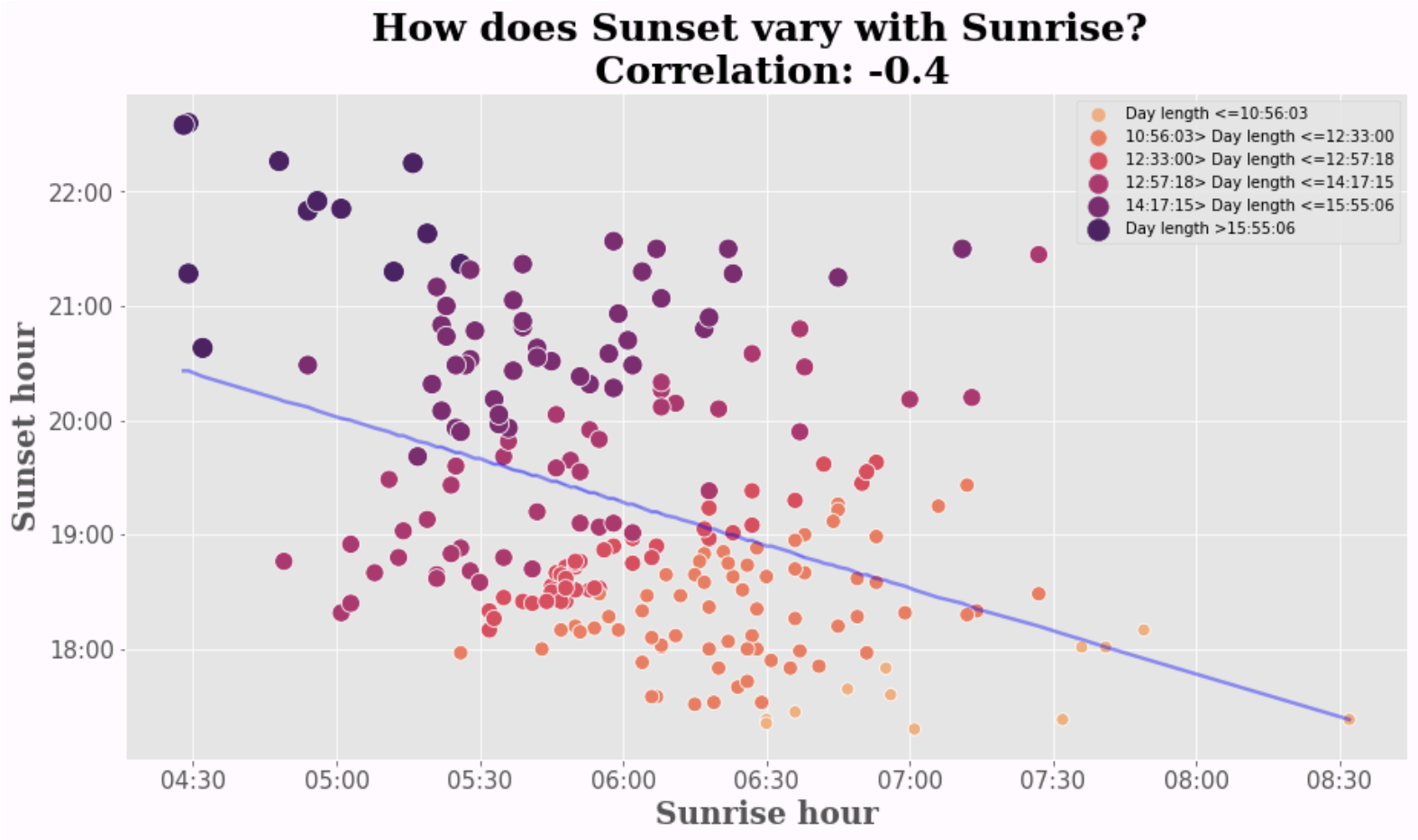
Density plots (Histogram + Kernel) for Sunrise, Sunset and Day Length



Day length

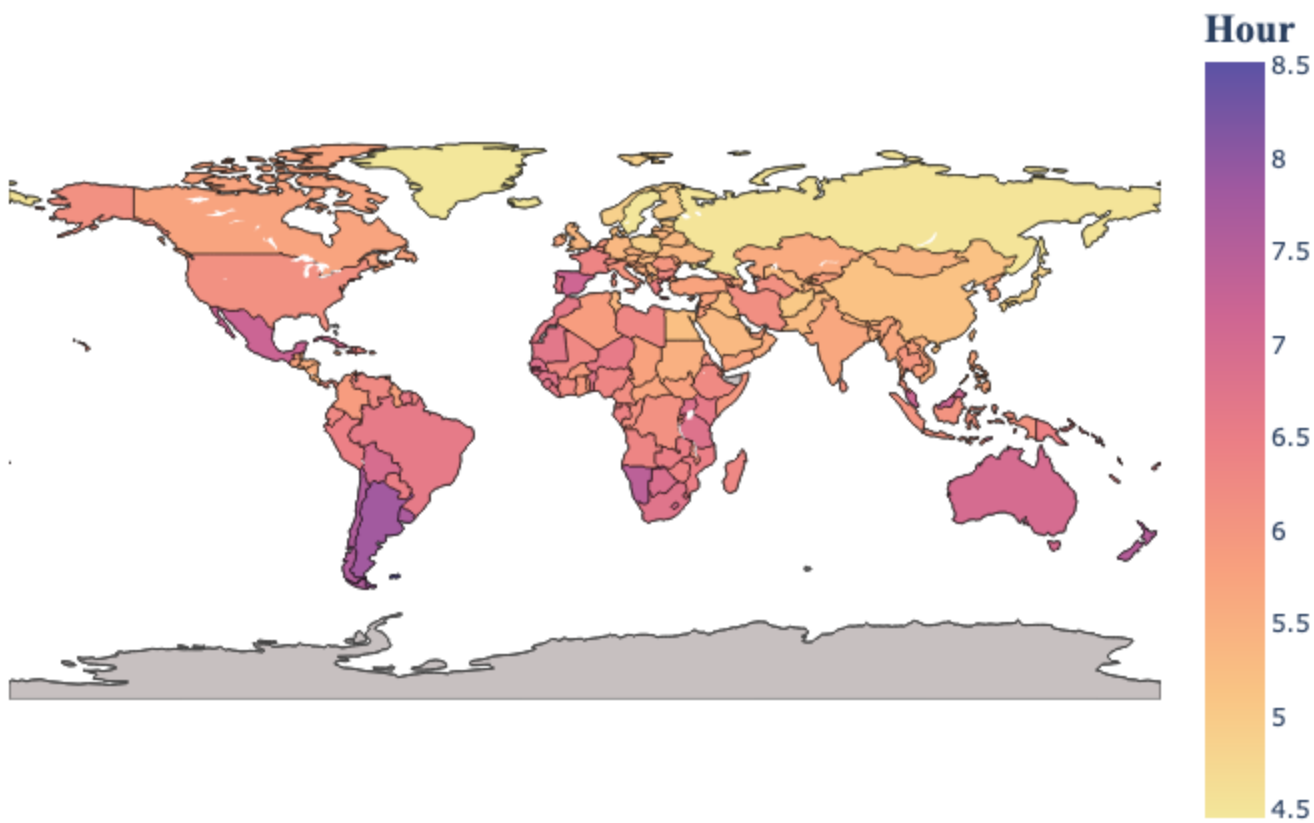


Scatter plot and Regression Line for Sunrise and Sunset

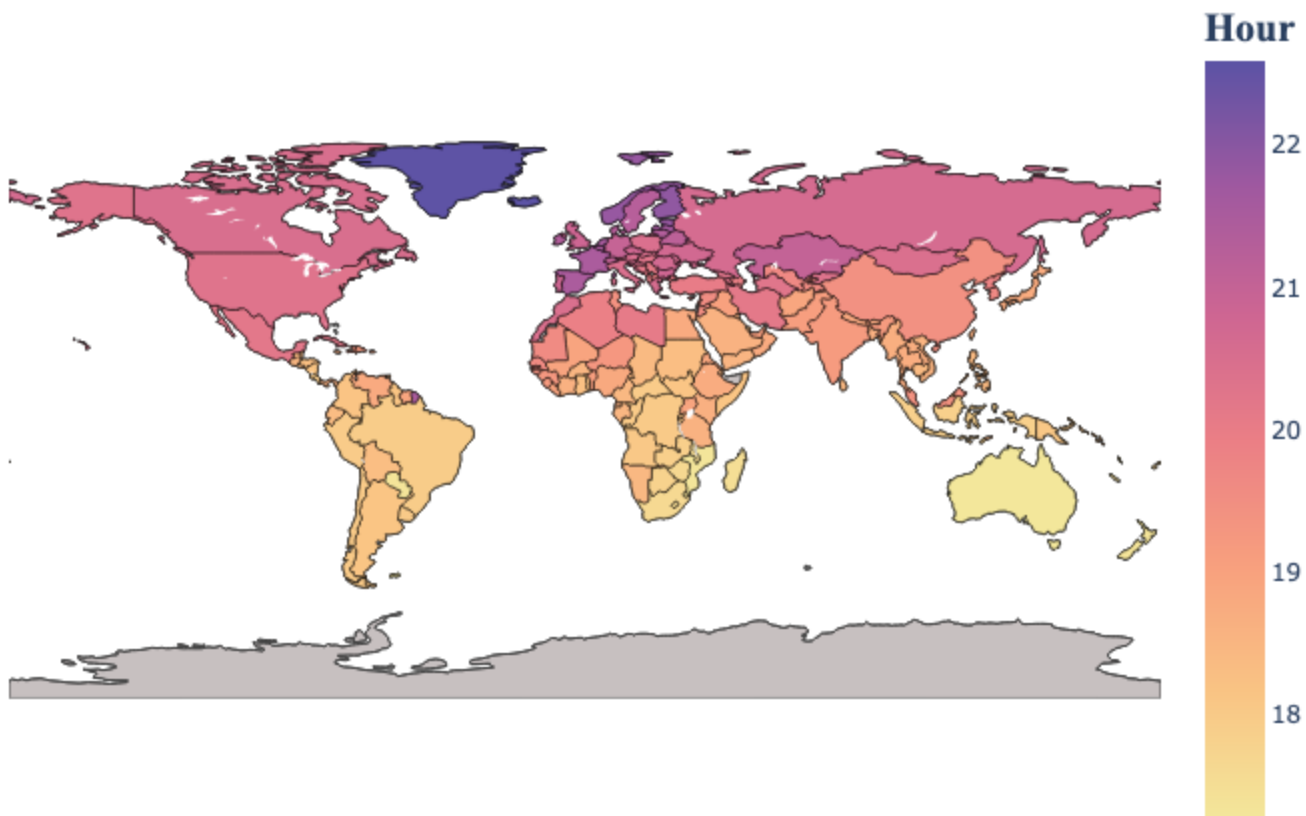


Plot choropleth world maps for Sunrise, Sunset and Daylengths

Sunrise



Sunset



Day length

