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CPSC 5830

- 1. See S3 for notebook and parquet files.
 - a. Note: In my notebook, I included more airport information that was required. This helped me debug my code because I could not recognize airports solely based on the airport code. Instead, I created a schema for the airport type and left the other fields (airport name, city, etc).
- 2. Analysis:
 - a. I found 22,692 flights that started on '2020-10-18'.
 - b. The five flights that began the earliest on that day are shown in the table below:

Operator	DepartedAt	ArrivedAt	From.Code To.Code
Southwest Airlines RAINIER HELI INTERNATIONAL INC - KIRKLAND, WA	7020-10-18 00:00:13.831 2020-10-18 00:00:14.136 2020-10-18 00:00:14.58 2020-10-18 00:00:15.782 2020-10-18 00:00:29.049	 2020-10-18 01:51:28.892 2020-10-18 00:69:43.454 2020-10-18 00:40:28.859 2020-10-18 16:30:29.174	LAS

c. The five flights that started on that day and ended at the latest time are shown in the table below:

Operator	DepartedAt	ArrivedAt	From.Code To.Code
United Airlines	2020-10-18 10:36:15.707 2020-10-18 12:04:28.645 2020-10-18 21:44:43.47 2020-10-18 21:50:15.19	2020-10-19 23:56:59.491 2020-10-19 23:55:28.224 2020-10-19 23:55:15.512 2020-10-19 23:55:15.356 2020-10-19 23:55:13.843	ORD

d. The five operators with the most flights and the number of flights from those operators are shown in the table below:

4	
Operator	count
Private	
+	++

e. The five airports with the most departing flights on that day are shown in the table below:

From[Code] count
1 1
PHX
SLC 581

f. I found **438** flights out of SeaTac that day. The operators with the most flights out of SeaTac are shown in the table below:

Operator c	ount
Alaska Airlines Horizon Air Delta Air Lines Delta Connection Virgin America	162 60 56 44 16