Analyze Incidents & Flights CS3200 Final Project

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Summer 2 2025

Analysis by Month

Table 1: Incident Type and Frequency by Month

Month	IncidentName	Count
January	crew	116
January	medical	131
January	turbulence	102
January	faa	137
January	security	118
January	weather	123
January	mechanical	124
February	security	225
February	medical	218
February	turbulence	248
February	mechanical	249
February	crew	202
February	faa	202
February	weather	225
March	turbulence	221
March	mechanical	223
March	medical	219
March	faa	244
March	crew	210
March	security	234
March	weather	227
April	medical	236
April	crew	221
April	mechanical	221
April	faa	245
April	turbulence	221
April	security	251
April	weather	219
May	faa	229
May	wildlife	1
May	crew	239
May	turbulence	244
May	security	259

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December 1aa 120			
	December	2000	120

December	security	122
December	weather	129

Analysis by Airline

Table 2: Incident Count and Average Delay by Airline

Airline	IncidentCount	AverageDelay
AA	440	72.3773
AC	456	73.6974
AD	444	71.4054
AF	424	77.1392
AI	428	75.9836
AM	509	72.5639
AV	440	72.9932
AY	453	73.0044
AZ	499	72.7495
BA	435	72.9195
CX	449	74.0646
$\overline{\text{CZ}}$	449	75.2339
DL	474	72.8544
DY	454	76.1145
EK	491	72.5234
EY	450	76.0578
FR	440	75.8432
G3	481	76.4886
IB	450	74.7822
JL	481	72.4304
KE	458	72.2533
KL	428	72.6495
LA	467	74.5931
LH	455	73.5956
MH	478	72.4393
MU	428	74.1098
NH	438	73.1667
NZ	432	71.8819
OZ	429	72.0373
QF	423	70.6430
QR	442	72.2285
SQ	463	69.5097
SU	435	74.1678
SV	427	75.8829
TG	478	72.3368
TK	430	75.3953
U2	441	73.1701
UA	462	74.0238
VN	409	73.3325
WN	472	74.5763

Trend by Year

Incident Count over Time

