

# Analyze Incidents & Flights

CS5200 Practicum I

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May 31th, 2025

## Analysis by Month

##	Month	incident_type	total_incidents
## 1	January	medical	131
## 2	January	security	118
## 3	January	faa	137
## 4	January	crew	116
## 5	January	turbulence	102
## 6	January	mechanical	124
## 7	January	weather	123
## 8	February	weather	225
## 9	February	turbulence	248
## 10	February	medical	218
## 11	February	mechanical	249
## 12	February	security	225
## 13	February	crew	202
## 14	February	faa	202
## 15	March	mechanical	223
## 16	March	medical	219
## 17	March	security	234
## 18	March	faa	244
## 19	March	crew	210
## 20	March	turbulence	221
## 21	March	weather	227
## 22	April	medical	236
## 23	April	weather	219
## 24	April	crew	221
## 25	April	faa	245
## 26	April	mechanical	221
## 27	April	turbulence	221
## 28	April	security	251
## 29	May	faa	229
## 30	May	turbulence	244
## 31	May	crew	239
## 32	May	security	259
## 33	May	weather	272
## 34	May	medical	229
## 35	May	mechanical	218
## 36	June	faa	232
## 37	June	crew	236
## 38	June	weather	206

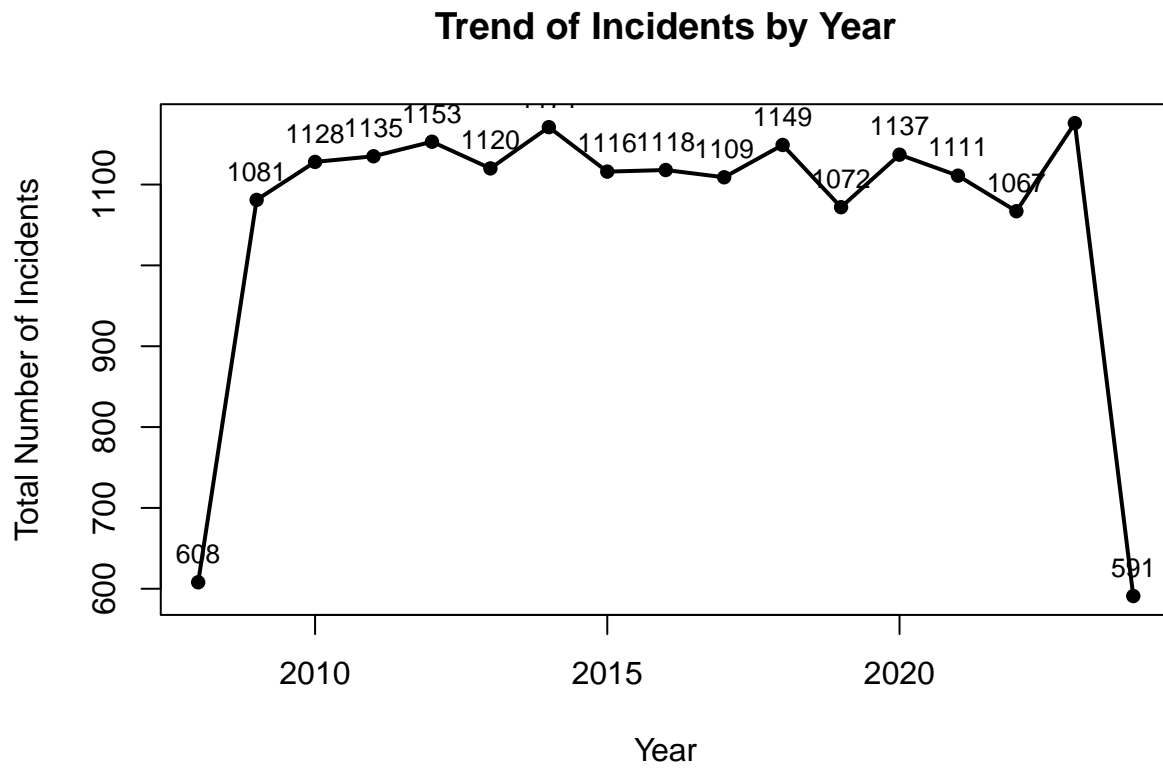
## 39	June	mechanical	244
## 40	June	turbulence	212
## 41	June	security	248
## 42	June	medical	224
## 43	July	faa	253
## 44	July	mechanical	251
## 45	July	medical	251
## 46	July	security	232
## 47	July	turbulence	244
## 48	July	crew	217
## 49	July	weather	243
## 50	August	mechanical	247
## 51	August	medical	214
## 52	August	faa	242
## 53	August	security	255
## 54	August	weather	242
## 55	August	turbulence	218
## 56	August	crew	241
## 57	September	turbulence	261
## 58	September	faa	215
## 59	September	mechanical	241
## 60	September	crew	244
## 61	September	security	235
## 62	September	weather	226
## 63	September	medical	249
## 64	October	mechanical	211
## 65	October	turbulence	238
## 66	October	crew	268
## 67	October	faa	233
## 68	October	medical	216
## 69	October	weather	232
## 70	October	security	231
## 71	November	medical	252
## 72	November	crew	231
## 73	November	security	245
## 74	November	weather	221
## 75	November	faa	242
## 76	November	turbulence	245
## 77	November	mechanical	234
## 78	December	turbulence	113
## 79	December	medical	103
## 80	December	security	122
## 81	December	faa	120
## 82	December	mechanical	113
## 83	December	crew	118
## 84	December	weather	129

## Analysis by Airline

##	airline	total_incidents	avg_delay_mins
## 1	AM	508	72.65
## 2	AZ	499	72.75
## 3	EK	491	72.52
## 4	JL	482	72.40

## 5	G3	481	76.49
## 6	MH	478	72.44
## 7	TG	477	72.29
## 8	DL	475	72.76
## 9	WN	471	74.45
## 10	LA	467	74.59
## 11	SQ	463	69.51
## 12	UA	462	74.02
## 13	KE	457	72.20
## 14	LH	456	73.73
## 15	AC	456	73.70
## 16	DY	454	76.11
## 17	AY	453	73.00
## 18	EY	450	76.06
## 19	CZ	450	75.28
## 20	IB	450	74.78
## 21	CX	449	74.06
## 22	AD	444	71.41
## 23	QR	442	72.23
## 24	U2	441	73.17
## 25	AA	440	72.38
## 26	AV	440	72.99
## 27	FR	440	75.84
## 28	NH	438	73.17
## 29	BA	435	72.92
## 30	SU	435	74.17
## 31	NZ	433	71.94
## 32	TK	430	75.40
## 33	OZ	429	72.04
## 34	KL	428	72.65
## 35	AI	428	75.98
## 36	MU	428	74.11
## 37	SV	427	75.88
## 38	AF	424	77.14
## 39	QF	422	70.68
## 40	VN	409	73.33

Trend by Year



## [1] TRUE