

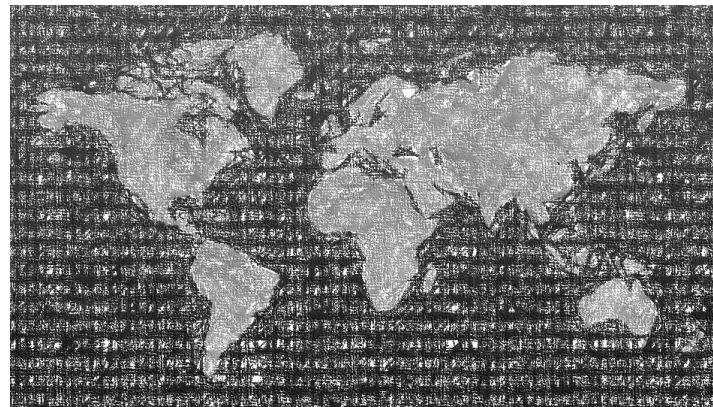
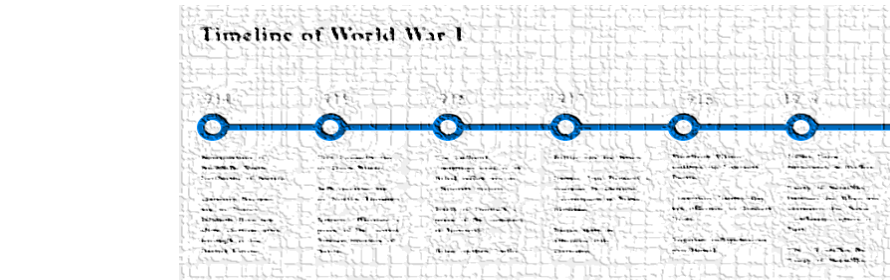
# Airline Crashes and Fatalities from 1927 to 2009

```
state
Data: [],
geoJson:
airplaneData"
```

```
World Map ** on("click".
svg state.airplaneData = d.airplaneData
.selectAll(".state")
.data(países)
.enter()
.append("path")
.attr("d", path)
.attr("class", "state")
//tooltips
svg
.selectAll("circle")
.data(airplaneData)
.join("circle")
.attr("r", 2)
```

```
Timeline ** on("click".
svg state.airplaneData =
d.airplaneData
<svg>
<g class="Airlines">
```

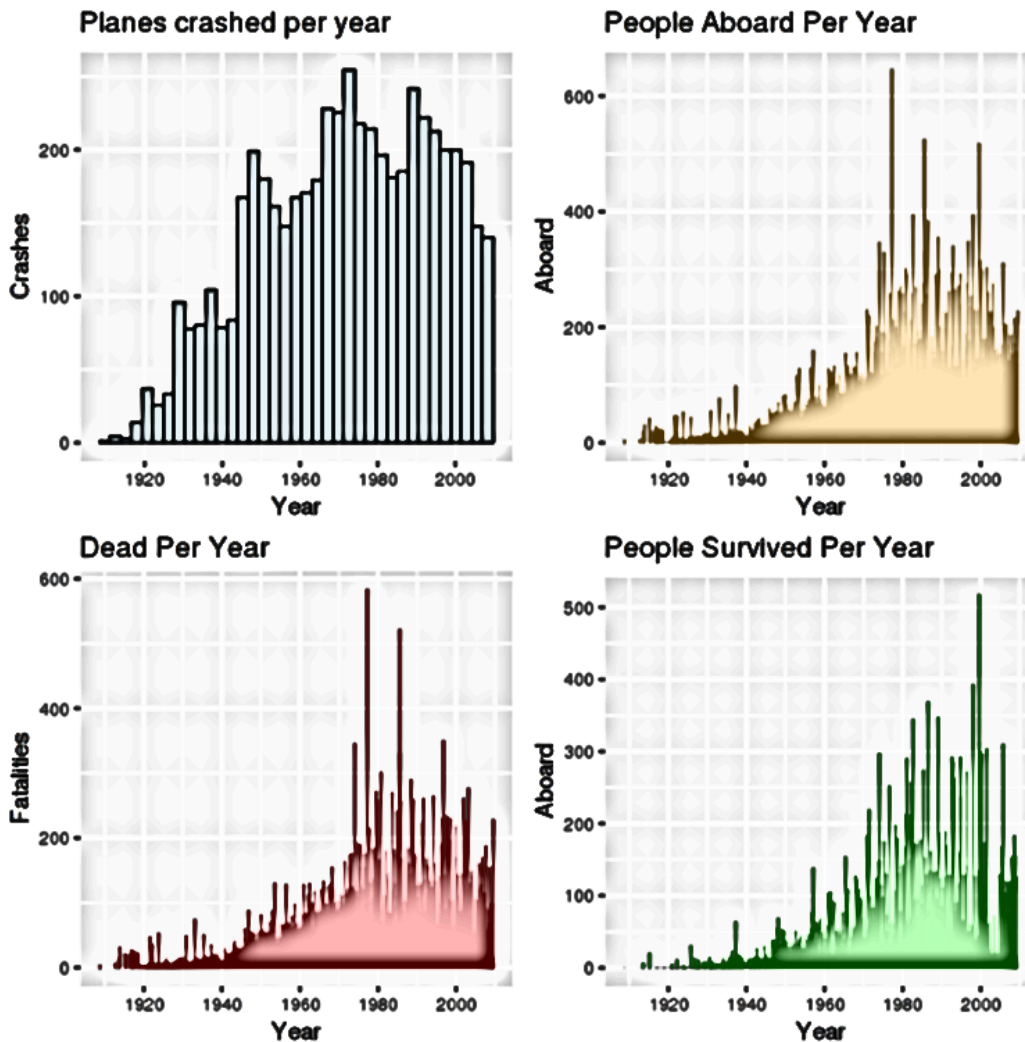
```
Table
<thead>
<thead>
<th>
<tbody>
<rect>
<text "airlineData">
```



Plant Group	pH of Soil	Average Plant Growth (cm)
1	6.0	25.4
2	6.2	37.0
3	6.4	50.8
4	6.6	63.5
5	6.8	59.4
6	7.0	30.5
7	7.2	22.9

**\*\* code still work in progress \*\***

**Sketch one** – One visualization based on an area chart with a drop-down enabling the user to select what kind of data they want to explore. Info to be displayed might be the number of plane crashes, people aboard, dead, and survived per year. The area chart would have tooltips with the details about the selected accident.



**Source:** <https://www.kaggle.com/saurograndi/airplane-crashes-since-1908>

## Incidents, Fatal Accidents And Fatalities

Per trillion available seat kilometers

\*Includes regional subsidiaries

	1985-1999			2000-2014		
	INCIDENTS	FATAL INCIDENTS	FATALITIES	INCIDENTS	FATAL INCIDENTS	FATALITIES
Kenya Airways	9	0	0	10	10	353
China Airlines	19	9	843	3	2	367
Avianca	16	10	1,643	5	2	0
Pakistan International	29	11	881	38	8	175
Malaysia Airlines	4	1	42	4	3	685
Air India*	3	1	485	6	2	241
Ethiopian Airlines	66	13	439	14	5	250
EgyptAir	18	7	848	10	2	33
Gulf Air	4	0	0	13	4	829
Garuda Indonesia	21	6	543	9	4	48
Saudi Arabian	10	3	467	17	0	0
Japan Airlines	2	1	423	0	0	0
SWISS*	3	2	370	5	0	0
Vietnam Airlines	14	8	351	2	0	0
Korean Air	9	4	314	<1	0	0
South African	4	2	313	2	0	0
TAM	7	3	83	6	2	165
Xiamen Airlines	27	3	244	6	0	0
Aeroflot*	81	15	137	7	1	97
Philippine Airlines	22	12	238	6	3	3
Thai Airways	6	3	232	2	<1	1
Royal Air Maroc	22	11	221	13	0	0
SAS*	9	0	0	12	2	214
Air France	6	2	34	3	<1	149
Iberia	4	1	162	0	0	0
Aeromexico*	6	2	137	11	0	0
American*	5	1	25	4	<1	108
US Airways / America West*	8	4	117	6	1	12
Alaska Airlines*	7	0	0	7	1	121
COPA	7	2	109	0	0	0
Turkish Airlines	5	2	42	5	1	57
Alitalia	13	4	92	8	0	0
Delta / Northwest*	5	2	80	5	<1	10
United / Continental*	3	1	57	3	<1	20
SriLankan Airlines / AirLanka	8	4	55	18	4	0
Singapore Airlines	1	1	3	1	1	46
Condor	6	3	49	0	0	0
TACA	15	5	15	5	5	15
LAN Airlines	4	3	27	0	0	0
EI AI	4	4	15	4	0	0
Air New Zealand*	5	0	0	9	2	13
KLM*	5	<1	2	<1	0	0
Lufthansa*	2	<1	<1	1	0	0
All Nippon Airways	2	<1	<1	5	0	0
Austrian Airlines	4	0	0	4	0	0
Qantas*	<1	0	0	3	0	0
Aerolineas Argentinas	20	0	0	3	0	0
Southwest Airlines	<1	0	0	3	0	0
Hawaiian Airlines	9	0	0	3	0	0
British Airways*	2	0	0	3	0	0
Air Canada	1	0	0	1	0	0
Cathay Pacific*	0	0	0	1	0	0
Aer Lingus	6	0	0	0	0	0
Finnair	3	0	0	0	0	0
Virgin Atlantic	1	0	0	0	0	0
TAP - Air Portugal	2	0	0	0	0	0

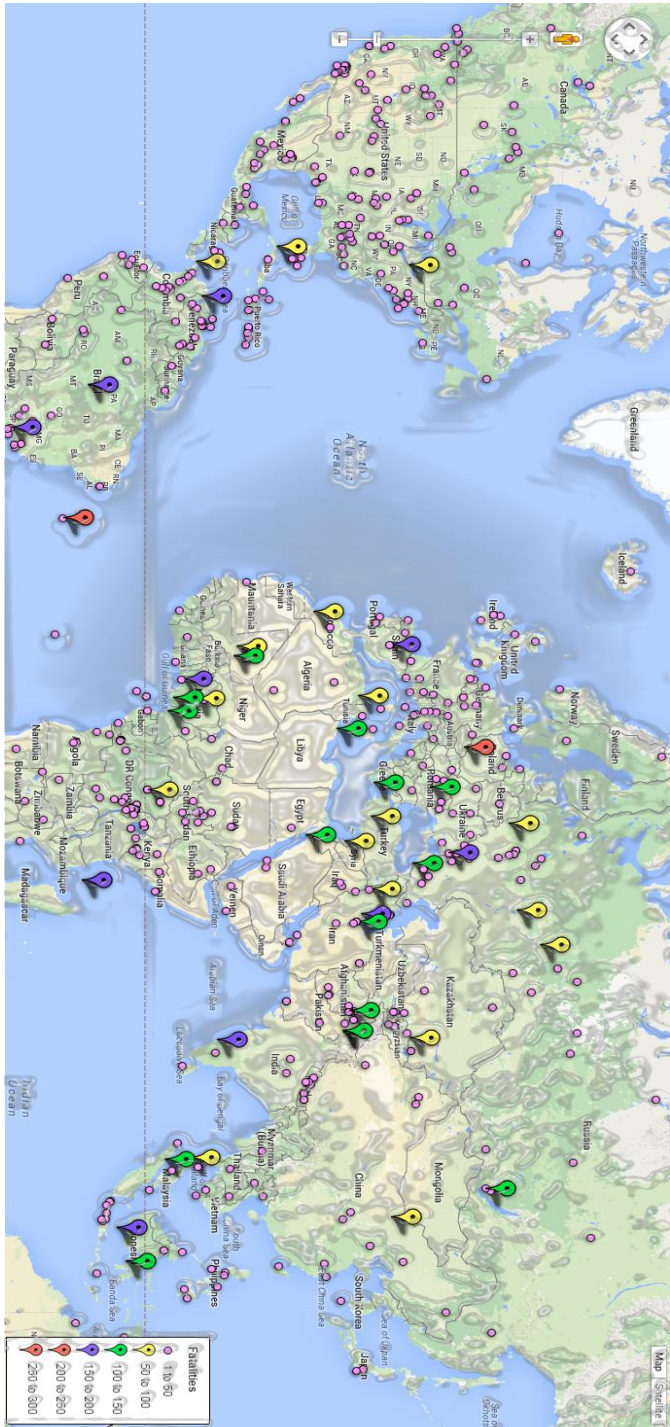
FIVETHIRTYEIGHT

SOURCE: FLIGHT SAFETY FOUNDATION

**sketch 2** – A table with explicit information about the incidents, fatal accidents, and fatalities.

**Source:** <https://fivethirtyeight.com/features/should-travelers-avoid-flying-airlines-that-have-had-crashes-in-the-past/>





**Sketch 3**– An interactive clickable visualization showing the location of the airline crashes with tooltips.

This is the one I plan to focus on. I will get the latitude and longitude of the cities where the crashes happened to draw an informative interactive map with the top global airlines that had incidents between 1927 until 2009. I want the viz to work, when the user hovers over the data point, the tooltip will have a short summary of the incident, airline, flight number, incident date, number of people aboard, how many died and the route.

**Source:** <https://fatalflight.wordpress.com/>