

Hosted by Socrata's Open Data

The complete history of plane crashes around the world, 1908 to 2009

Socrata, a software company, was acquired by Tyler Technologies in 2018.

- All global civil and commercial aviation accidents involving scheduled and non-scheduled passenger aircraft resulting in deaths (including all U.S. Part 121 and Part 135 fatal accidents)
- All cargo, locating, ferries and test flight fatal accidents.
- All military transport accidents with 10 or more deaths.
- More than 10 people were killed in all commercial and military helicopter accidents.
- All civilian and military airship accidents involving deaths.
- Airline accidents involving celebrity deaths.
- Aviation accidents or notable incidents.

Because the raw data has become unusable, and because it is difficult to relate the collection of crash information to technical improvements in the crash itself, the value of the data collected and compiled by the company can be inferred. Companies use datasets as samples to make cases in online databases.

This data is easy to open in Excel and easy to access in Python.

Date	object = datetime64	
Time	object	
Location	object	Crash site
Operator	object	airlines
Flight #	object	Flight no.
Route	object	route
Type	object	The plane model
Registration	object	Registration no.
cn/In	object	It represents the manufacturer's serial number and is provided by the manufacturer so that the entire history of the aircraft can be traced when registration changes are made.
Aboard	float64	Total number on board
Fatalities	float64	The number of deaths
Ground casualties not on board the aircraft	float64	The number of ground
Summary	object	State the accident and cause

The date should be in date`Time`64 format, not `Object`

A total of 5,268 crashes were recorded for this data set

Russian airlines had the highest number of crashes in the data set

July 23, 1999-Japan has the highest number of plane crash survivors

Flight # lost the most data in the data set. It is not clear whether it was because people paid little attention to Flight numbers at that time or because of individual airlines.