

# Schéma : nycflights

nycflights, R-project, relationnel, pattes de corbeau, crowfoot

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⚠ Présentation du schéma `nycflights`, pour l'entraînement à PostGres.

- **L3 MIASHS/Ingémath**
- **Université Paris Cité**
- Année 2024-2025
- [Course Homepage](#)
- [Moodle](#)



Ce jeu de données est construit à partir du package  `nycflights13`.

The `nycflights13` package contains information about all flights that departed from NYC (e.g. EWR, JFK and LGA) to destinations in the United States, Puerto Rico, and the American Virgin Islands) in 2013 : 336,776 flights in total. To help understand what causes delays, it also includes a number of other useful datasets.

This package provides the following data tables.

- `?flights`: all flights that departed from NYC in 2013
- `?weather`: hourly meteorological data for each airport
- `?planes`: construction information about each plane
- `?airports`: airport names and locations
- `?airlines`: translation between two letter carrier codes and names

This is a layout. You can create multiple layouts with the same or different tables. Double-click the table headers to edit.

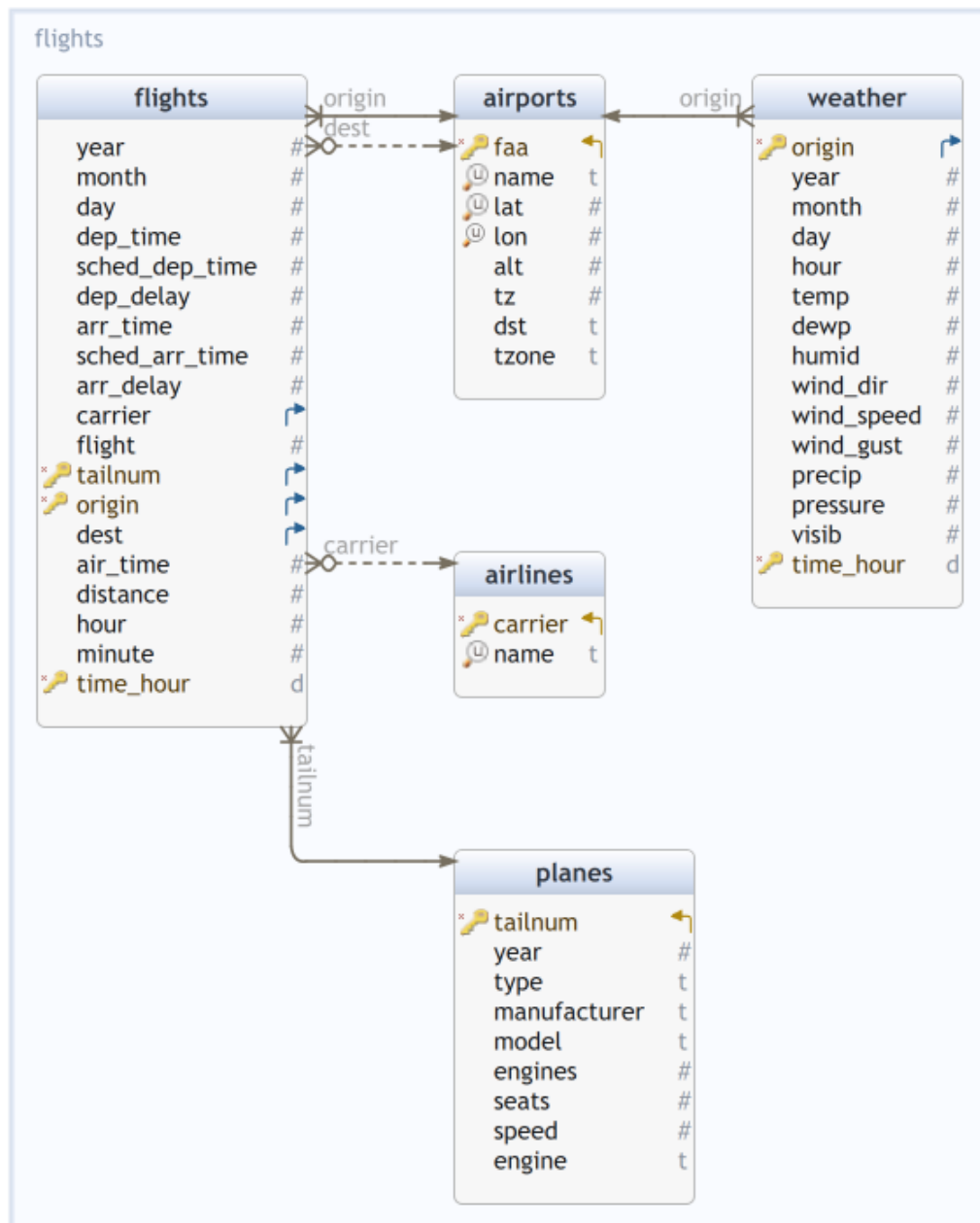


FIG. 1 : Schema nycflights Generated using [DbSchema](#)

Table nycflights.airlines

Idx	Name	Data Type
*	carrier	text
	name	text

**Table nycflights.airports**

Idx	Name	Data Type
*	faa	text
	name	text
	lat	double precision
	lon	double precision
	alt	double precision
	tz	double precision
	dst	text
	tzone	text

**Table nycflights.flights**

Idx	Name	Data Type
	year	integer
	month	integer
	day	integer
	dep_time	integer
	sched_dep_time	integer
	dep_delay	double precision
	arr_time	integer
	sched_arr_time	integer
	arr_delay	double precision
	carrier	text
	flight	integer
*	tailnum	text
*	origin	text
	dest	text
	air_time	double precision
	distance	double precision
	hour	double precision
	minute	double precision
*	time_hour	timestampz

**Foreign Keys**

Type	Name	On
	flights_fk	( carrier ) ref nycflights.airlines (carrier)
	flights_fk_planes	( tailnum ) ref nycflights.planes (tailnum)
	flights_fk_origin	( origin ) ref nycflights.airports (faa)
	flights_fk_dest	( dest ) ref nycflights.airports (faa)

**Table nycflights.planes**

Idx	Name	Data Type
*	tailnum	text
	year	integer
	type	text
	manufacturer	text
	model	text
	engines	integer
	seats	integer
	speed	integer
	engine	text

**Table nycflights.weather**

Idx	Name	Data Type
*	origin	text
	year	integer
	month	integer
	day	integer
	hour	integer
	temp	double precision
	dewp	double precision
	humid	double precision
	wind_dir	double precision
	wind_speed	double precision
	wind_gust	double precision
	precip	double precision
	pressure	double precision
	visib	double precision
*	time_hour	timestampz

**Foreign Keys**

Type	Name	On
	weather_fk	( origin ) ref nycflights.airports (faa)