Step 1: set up your enviornment.

- Create and configurate a dominion using amazon SageMaker

In this case mine is already prepared:



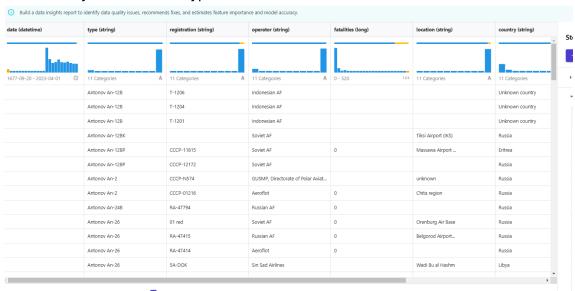
Launch the jupyter studio through the user previously created in your domain

- access Data wrangler through the left sidebar, open it through Amazon SagemakerCanvas and import your csv.

We'll be using this dataset: https://www.kaggle.com/datasets/warcoder/civil-aviation-accidents

Step 2: exploratory analysis

you'll see a preview of your dataset, worth mentioning amazon canvas already identifies by itself the datatypes of each row.



Click and select "get data insights" to perform an in depth analysis of the set in search for empty values or anything that can harm the analysis, ive transformed the dataset to delete those empty values.

date (datetime)	type (string)	pe (string) registration (string)		fatalities (long)	location (string)	country (string)
1919-08-11 - 2023-04-01	11 Categories A	11 Categories A	11 Categories A	0 - 520 123	11 Categories A	11 Categories
1919-08-11 00:00:00	Felixstowe Fury	N123	RAF	1	near Felixtowe RNAS	U.K.
1920-02-23 00:00:00	Handley Page O/7	G-EANV	Handley Page Transport	0	Acadia Siding, C	South Africa
1920-02-25 00:00:00	Handley Page O/400	G-EAMC	Handley Page Transport	0	near El Shereik	Sudan
1920-06-30 00:00:00	Handley Page O/400	G-EAKE	Handley Page Transport	0	ÃOstanÃ¥	Sweden
1920-12-14 00:00:00	Handley Page O/400	G-EAMA	Handley Page Transport	4	Golders Green	U.K.
1921-03-02 00:00:00	Handley Page O/7	G-IAAC	HP Indo-Burmese Transport	0	Meerut	India
1921-08-26 00:00:00	Farman F.60 Goliath	O-BLAN	SNETA	2	near Calais [The Engl	France
1921-09-27 00:00:00	Farman F.60 Goliath	O-BRUN	SNETA	0	Evere Airfield	Belgium
1921-09-27 00:00:00	Farman F.60 Goliath	O-BLEU	SNETA	0	Evere Airfield	Belgium
1922-01-22 00:00:00	Handley Page O/10	G-EATN	Handley Page Transport	0	near Senlis	France
1922-04-07 00:00:00	Farman F.60 Goliath	F-GEAD	Grands Express Aériens	5	Thieuloy-Saint-A	France

Now the insights show the prediction potential and chart stats of the dataset correctly.





Feature summary

Feature	Prediction power	Туре	Valid	Missing	High severity warnings	Medium severity warnings
date	0.499	datetime	97.6%	2.37%	1	0
type	0.162	text	100%	0%	0	0
operator	0111	text	100%	0.0167%	0	0
nd insight report finished generating.	X 43	text	96%	4.01%	0	0

As an additional step in this case, im performing an histogram to see how many fatalities have occurred in aviation accidents per year.

