

Data Preparation.

Data preparation is the process of gathering, combining, structuring and organizing data so it can be used in business intelligence (BI), analytics and data visualization applications. The components of data preparation include data preprocessing, profiling, cleansing, validation and transformation; it often also involves pulling together data from different internal systems and external sources.

The screenshot displays the IBM Cognos Analytics with Watson interface. The top section shows the 'airstat data prep' module with a grid view of airport data. The bottom section shows the 'regions.csv' module with a grid view of regional data.

airstat data prep

Row Id	id	ident	type	name	latitude_deg	longitude_deg
1	6523	00A	heliport	Total Rt Heliport	40.07080078125	-74.93360137939453
2	323361	00AA	small_airport	Aero B Ranch Airport	38.704022	-101.473911
3	6524	00AK	small_airport	Lowell Field	59.947733	-151.692524
4	6525	00AL	small_airport	Eppe Airpark	34.86479949951172	-86.77030181884766
5	6526	00AR	closed	Newport Hospital & Clinic Heliport	35.6087	-91.254898
6	322127	00AS	small_airport	Fulton Airport	34.9428028	-97.8180194
7	6527	00AZ	small_airport	Cordes Airport	34.305599212646484	-112.16500091552734
8	6528	00CA	small_airport	Goldstone (GTS) Airport	35.35474	-116.885329
9	324424	00CL	small_airport	Williams Ag Airport	39.427188	-121.763427
10	322658	00CN	heliport	Kitchen Creek Helibase Heliport	32.7273736	-116.4597417
11	6529	00CO	closed	Cass Field	40.622202	-104.344002
12	6531	00FA	small_airport	Grass Patch Airport	28.64550018310547	-82.21900177001953
13	6532	00FD	heliport	Ringhaver Heliport	28.846599578857422	-82.34539794921875
14	6533	00FL	small_airport	River Oak Airport	27.230899810791016	-80.96920013427734

regions.csv

Row Id	id	code	local_code	name	continent	iso_country
1	302811	AD-02	02	Canillo Parish	EU	AD
2	302812	AD-03	03	Encamp Parish	EU	AD
3	302813	AD-04	04	La Massana Parish	EU	AD
4	302814	AD-05	05	Ordino Parish	EU	AD
5	302815	AD-06	06	Sant Julià de Lòria Parish	EU	AD
6	302816	AD-07	07	Andorra la Vella Parish	EU	AD
7	302817	AD-08	08	Escaldes-Engordany Parish	EU	AD
8	302818	AD-U-A	U-A	(unassigned)	EU	AD
9	302819	AE-AJ	AJ	Ajman Emirate	AS	AE
10	302820	AE-AZ	AZ	Abu Dhabi Emirate	AS	AE
11	302821	AE-DU	DU	Dubai Emirate	AS	AE
12	302822	AE-FU	FU	Fujairah Emirate	AS	AE
13	302823	AE-RK	RK	Ras al-Khaimah Emirate	AS	AE