

What is KNIME?

KNIME Analytics Platform is the open source software for creating data science.

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Personally, the most fantastic advantage is KNIME makes the Data Preprocessing process easier and more efficient. It's a powerful ETL platform.

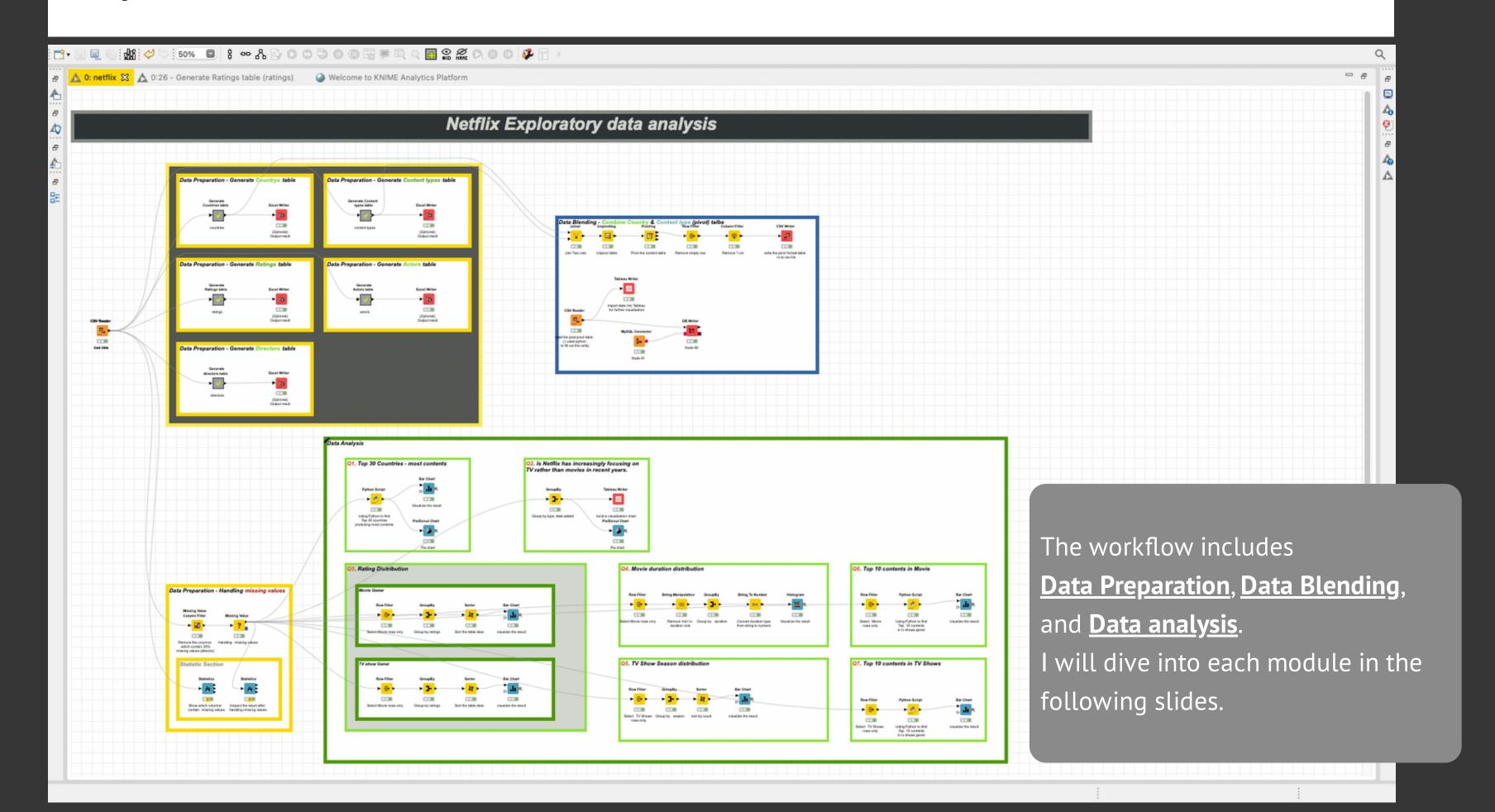
Introduction of the project

The main object of the project is to analyze the data by KNIME.

I used KNIME to perform data preparation, data blending, and data analysis.

The dataset contains NETFLIX shows information (Title, Rating, Content-Type, etc...), and I used KNIME to find out some interesting insight.

Project Workflow

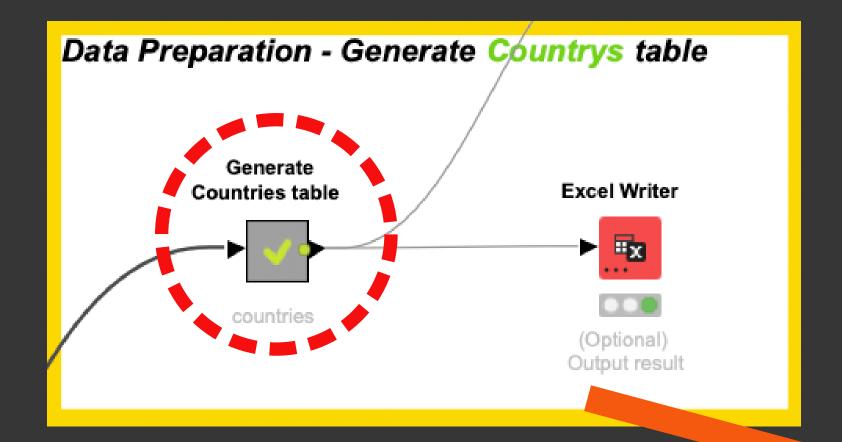


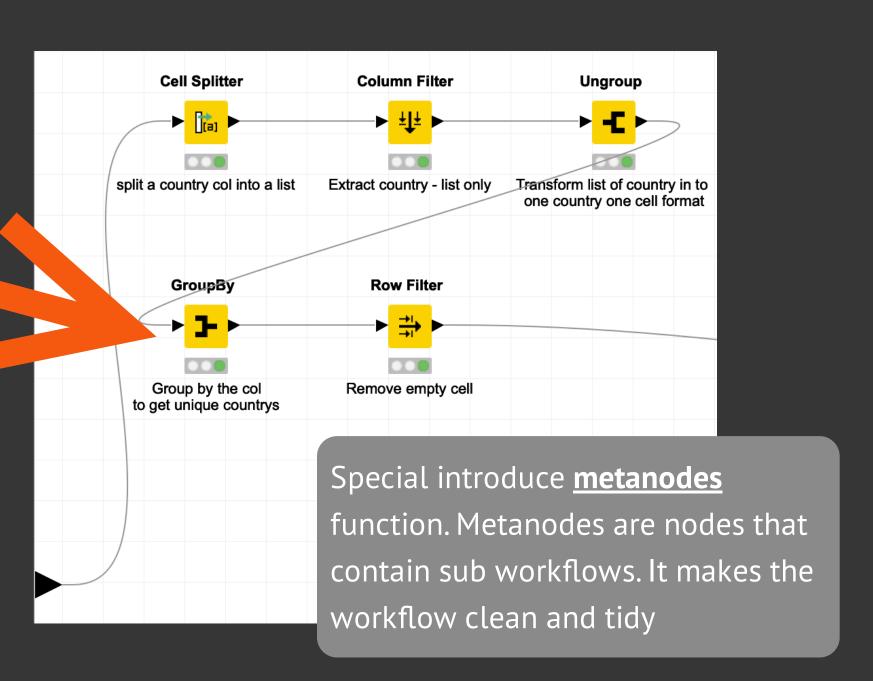
Data Preparation - Generate metadata



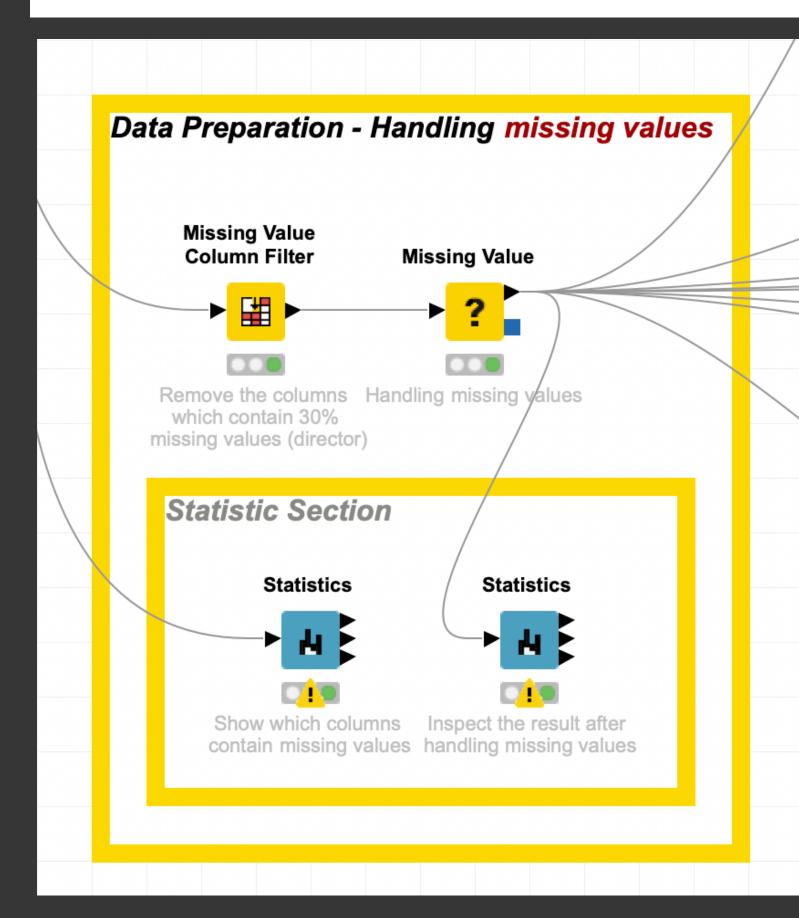
In this phase, I load the dataset into KNIME and using **Row filter** and **Column filter** to generate metadata.

Data Preparation - Metanode





Data Preparation - Handling Missing Values



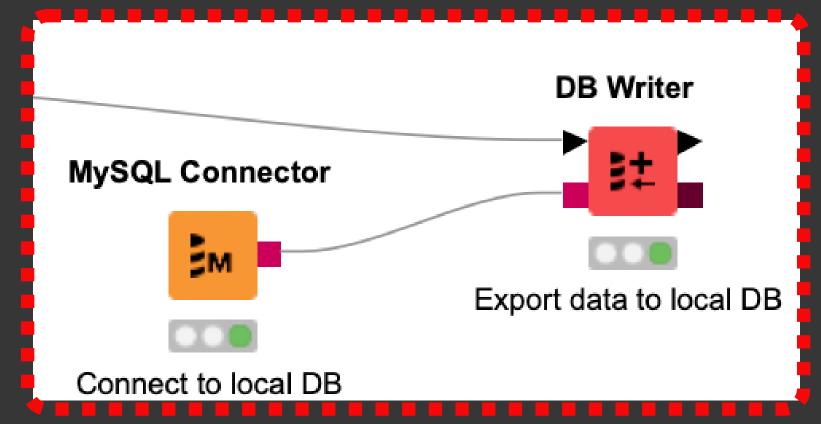
I used to struggle in handling missing values since the task is overwhelming and seems endless.

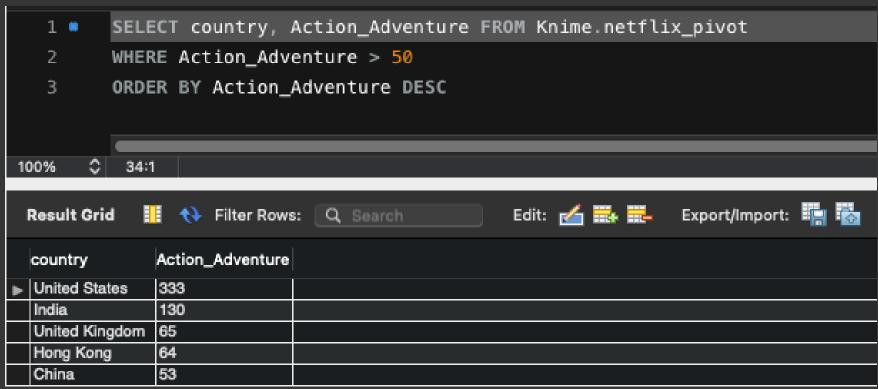
However, KNIME makes this process intuitive and easy to track. Moreover, KNIME provides some statistics functions for understanding the dataset.

Data Blending

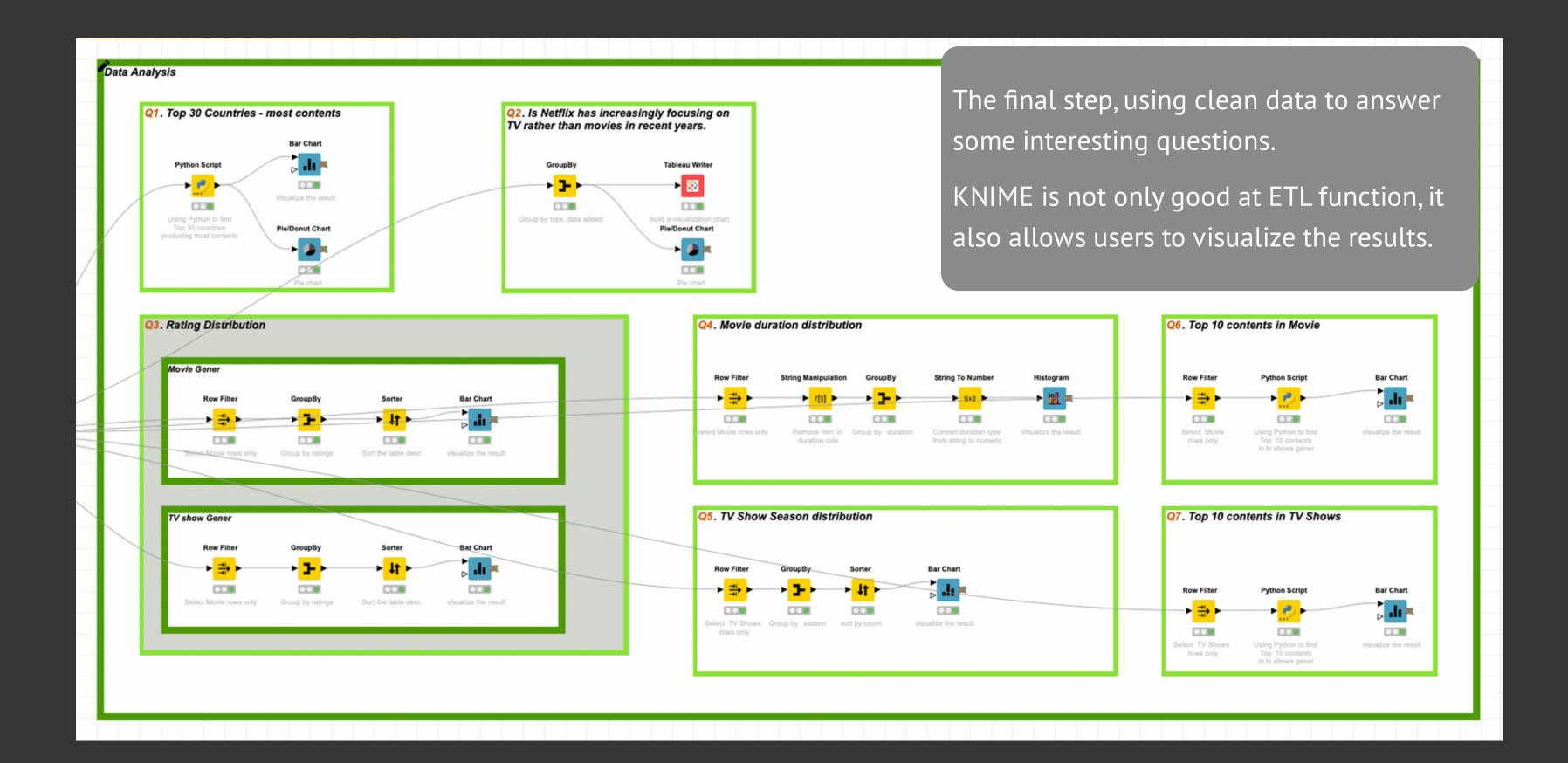


Data Blending - DB connection





Data Analysis



Data Analysis - Vusualization



Conclusion and Reference

KNIME is excellent for data analysis.

The canvas allows me to see the whole workflow effortlessly. Therefore, I won't lose my object during data wrangling.

It's a great application and I will keep exploring its features.

Reference

- * Knime website: https://www.knime.com/knime-analytics-platform
- * Netflix dataset: https://www.kaggle.com/shivamb/netflix-shows