

Platform Overview: Reporting



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SAS® Visual Analytics on Viya

Data
Preparation



Data
Exploration &
Analytics



Interactive
Reporting



Governance



Collaboration
& Info Sharing



Location
Analytics





Data Preparation

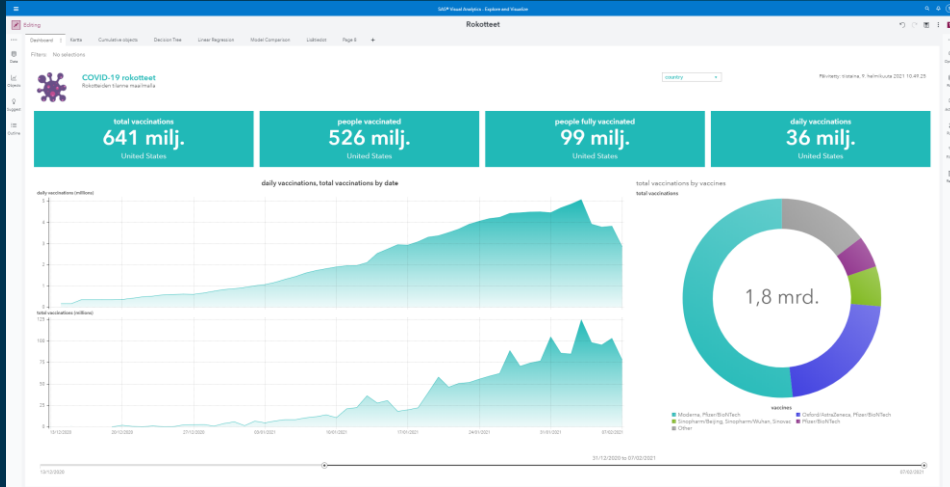
The screenshot displays the SAS Data Studio interface. The main window shows a table titled 'COUNTRY_VACCINATIONS' with columns for country, date, and various vaccination metrics. Below the table, a 'Transformations' pane is visible, showing a list of operations such as 'Convert column', 'Storage columns', 'Remove', 'Rename', 'Sort', 'Trim whitespace', 'Custom Transformations', 'Calculated columns', 'Data Quality Transformations', 'Mapping', 'Field extraction', 'Gender analysis', 'Identification analysis', 'Match and cluster', 'Standardize', 'Remove duplicates', 'Multi-pass Transformations', 'Repeat', 'Join', and 'New Transformations'. The 'Convert Column' transformation is selected, and its configuration is shown in the bottom pane, where the source column 'people_vaccinations' is being converted to a new column 'people_vaccinations_CONVERTED' with a length of 5 and format of BEST16.

country	iso_alpha_3	date	iso_alpha_2	people_vaccinations	daily_vaccinations	total_vaccinations	people_vaccinations_per_1000	daily_vaccinations_per_1000	vaccinations	iso_alpha_2	iso_alpha_3
Algeria	DZA	2021-01-29	DZ	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Algeria	DZA	2021-01-30	DZ	30.0	30.0	30.0	0.0	0.0	30.0	Spain V	Ministry of Health
Andorra	AND	2021-01-29	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-30	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-31	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-01	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-02	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-03	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-04	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-05	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-06	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-07	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-08	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health
Andorra	AND	2021-01-09	AD	0.0	0.0	0.0	0.0	0.0	0.0	Spain V	Ministry of Health

- Access to diverse data
- Data quality functions
- Table and column profiling
- Filter & transform (append, join, transpose, etc.)
- View lineage



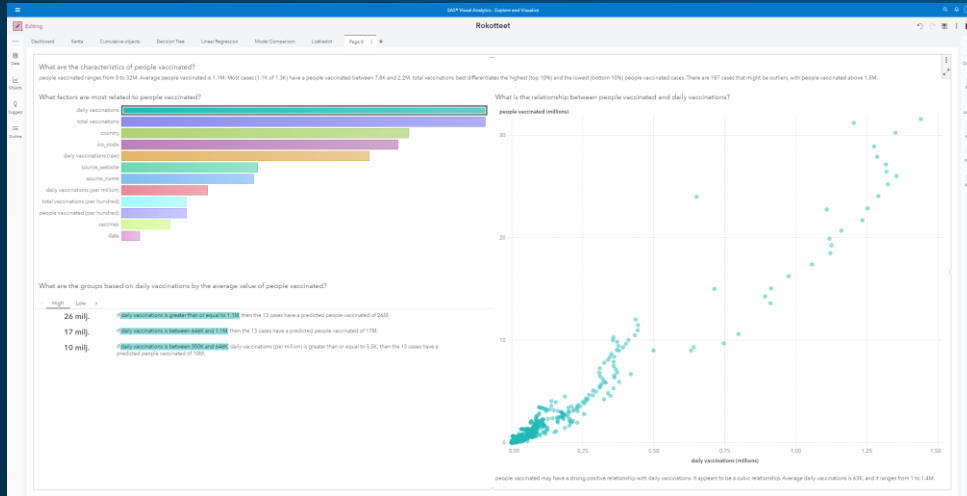
Visual Exploration



- Discover relationships, trends, outliers, clusters
- 3rd-party visualizations (e.g. D3, Google Chart)
- Forecasting and scenario analysis
- Decision trees
- Text analysis (e.g. word cloud)



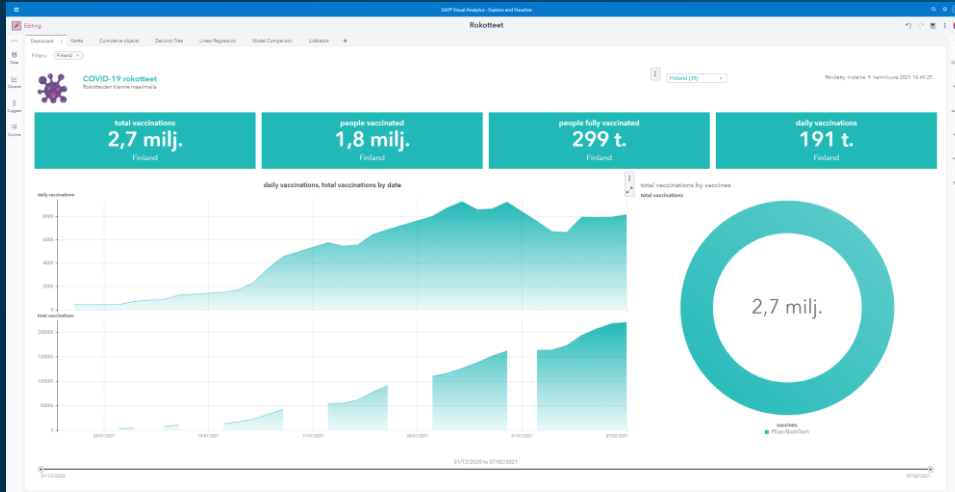
Visual Exploration: Augmented Analytics



- Auto-charting
- Suggestive visualizations
- Related measures
- Automated Explanation



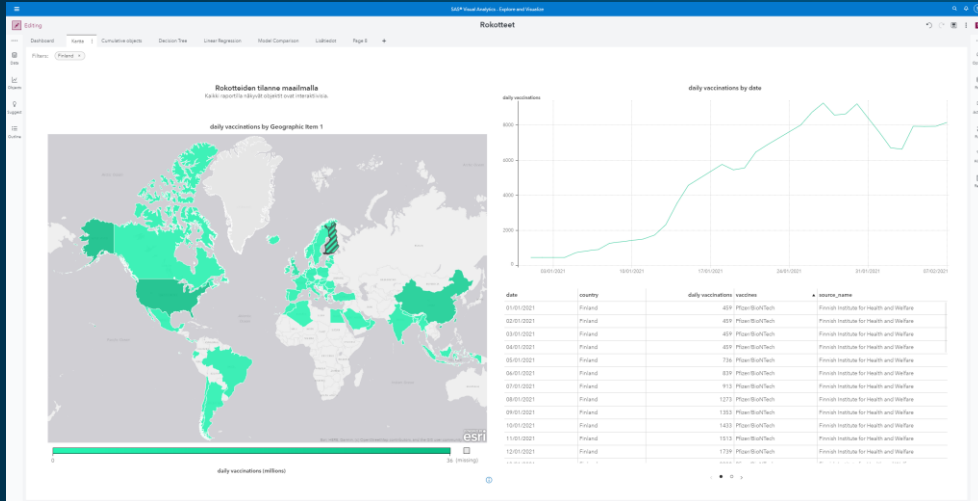
Interactive Reporting



- Responsive and precise layouts
- Dashboard creation
- Report formatting for user interactivity; filters, prompts, linking, etc.
- Share, interact and collaborate



Location Analytics



- Travel-time analysis
- Travel-distance analysis
- Custom polygons or shapes
- Geographic enrichment
- Geographic clustering



Collaboration and Information Sharing

