VisTrust: a Multidimensional Framework and Empirical Study of Trust in Data Visualizations

Data Dictionary

Data for the full study can be found in the data_clean.csv file.

Label of data column in data_clean.csv	Explanation of the contents of the data column
StartDate	Local date when participant completed the survey
EndDate	
Status	
Progress	
Duration (in seconds)	
Finished	
RecordedDate	
ResponseId	
LocationLatitude	
LocationLongitude	
UserLanguage	
Consent Form	
consent-time_Page Submit	
covid-vaccine	
covid-vaccine-doses	
covid-infection	
covid-time_Page Submit	
intro-vis-time_Page Submit	
affect-science_1	
affect-clarity_1	
affect-aesthetic_1	
initial-time_Page Submit	
tour-time_Page Submit	
simple-vlat-1	

Label of data column in data_clean.csv	Explanation of the contents of the data column
simple-vlat-2	
simple-vlat-time_Page Submit	
moderate-vlat-1	
moderate-vlat-2	
moderate-vlat-time_Page Submit	
complex-vlat-1	
complex-vlat-time_Page Submit	
explore-time_Page Submit	
data-trust_1	
data-trust_2	
data-trust_3	
data-trust_4	
data-trust_5	
data-trust_6	
data-trust-exp	
data-trust-time_Page Submit	
vis-trust_1	
vis-trust_2	
vis-trust_3	
vis-trust_4	
vis-trust_5	
vis-trust_6	
vis-trust-exp	
vis-trust-time_Page Submit	
interpersonal-trust_1	
interper-trust-exp	
interper-trust-time_Page Submit	
attention-check_1	
attention-check_2	
attention-check_3	

Label of data column in data_clean.csv	Explanation of the contents of the data column
attention-check_4	
attention-check_5	
attention-check_6	
attention-check_7	
attention-check-time_Page Submit	
trust-in-science_1	
trust-in-science_2	
trust-in-science_3	
trust-in-science_4	
trust-in-science_5	
trust-in-science_6	
trust-in-science_7	
trust-in-science_8	
trust-science-exp	
trust-science-time_Page Submit	
cognition_1	
cognition_2	
cognition_3	
cognition_4	
cognition_5	
cognition_6	
need-cognition-time_Page Submit	
political_views	
covid_information	
politics_time_Page Submit	
Gender	
Age	
State_1	
Education	
Parents_education	

Label of data column in data_clean.csv	Explanation of the contents of the data column
Language	
Language_4_TEXT	
Ethnicity	
Ethnicity_8_TEXT	
Ethnicity_9_TEXT	
Income	
Religion	
Interview	
Interview_1_TEXT	
demographics_time_Page Submit	
PROLIFIC_PID	
provenance-data	
provenance-vis	
provenance-tour	
provenance-explore	
isCovidData	
complexity	
chartType	
affective_tags	
cognitive_tags	
individual_characteristics	
tag_valence	
need_for_cognition	
brushed	
explore_interactions	
hover_interactions	
total_hover_time	
avg_hover_time	
explore_time	
explore_active_time	

Label of data column in data_clean.csv	Explanation of the contents of the data column
vlat_simple	
vlat_moderate	
vlat_complex	
assigned_vlat	
ordinal_complexity	

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Supplementary Materials

Supplementary Materials for the VisTrust submission to IEEE VIS 2023 can be found in the
supplementary_materials directory and include the following:

- PDF of tables containing the full study results
- PDF of the full study presented to participants (exported from Qualtrics)