The Template for Instruction Tuning Data

query: [prompt + input]   **answer**: [output]   **choices**: [labels]   **gold**: [index]   **text**: [input]

Table-based Instruction

Datasets: Australian, Credit Card Fraud, Polish, Taiwan Economic Journal, PortoSeguro

Example instruction tuning data for Card fraud:

prompt: "Assess the creditworthiness of a customer using the following table attributes for financial status. Respond with either 'good' or 'bad'. And all the table attribute names including 8 categorical attributes and 6 numerical attributes and values have been changed to meaningless symbols to protect confidentiality of the data. For instance, 'The client has attributes: A1: 0, A2: 21.67, A3: 11.5, A4: 1, A5: 5, A6: 3, A7: 0, A8: 1, A9: 1, A10: 11, A11: 1, A12: 2, A13: 0, A14: 1.', should be classified as 'good'."

output: "good"   **labels:** { 'good', 'bad' }   **index:** 0

input: The client has attributes: A1: 1.0, A2: 27.67, A3: 2.0, A4: 2.0, A5: 14.0, A6: 8.0, A7: 1.0, A8: 1.0, A9: 1.0, A10: 4.0, A11: 0.0, A12: 2.0, A13: 140.0, A14: 7545.0.

Description-based Instruction

Datasets: German, Lending Club, ccFraud, Travel Insurance.

Example prompt instruction tuning data for Travel Insurance:

prompt: "Identify the claim status of insurance companies using the records of travel insurance attributes. Respond with either 'yes' or 'no'. For instance: 'A policyholder aged 41 chosen product 'Rental Vehicle Excess Insurance' of the insurance company 'CWT' through sales channel 'Online' to travel to destination 'ITALY'. The type of insurance is 'Travel Agency', with an effective period of 79, and the company recorded the net sales and commission of the insurance as -19.8 and 11.88.', should be classified as 'No'.

output: "no"   **labels:** { 'yes', 'no' }   **index:** 1

input: A policyholder aged 36 chosen product 'Cancellation Plan' of the insurance company 'EPX' through sales channel 'Online' to travel to destination 'INDONESIA'. The type of insurance is 'Travel Agency', with an effective period of 39, and the company recorded the net sales and commission of the insurance as 28.0 and 0.0."