Validation Report for Kaggle - customer\_churn\_dataset\_kaggle.csv

missing\_data: {'customerid': '0 missing (0.00%)', 'gender': '0 missing (0.00%)', 'seniorcitizen': '0 missing (0.00%)', 'partner': '0 missing (0.00%)', 'dependents': '0 missing (0.00%)', 'tenure': '0 missing (0.00%)', 'phoneservice': '0 missing (0.00%)', 'multiplelines': '0 missing (0.00%)', 'internetservice': '0 missing (0.00%)', 'onlinesecurity': '0 missing (0.00%)', 'onlinebackup': '0 missing (0.00%)', 'deviceprotection': '0 missing (0.00%)', 'techsupport': '0 missing (0.00%)', 'streamingtv': '0 missing (0.00%)', 'streamingmovies': '0 missing (0.00%)', 'contract': '0 missing (0.00%)', 'paperlessbilling': '0 missing (0.00%)', 'paymentmethod': '0 missing (0.00%)', 'monthlycharges': '0 missing (0.00%)', 'totalcharges': '0 missing (0.00%)', 'churn': '0 missing (0.00%)'}

tenure: 0 out of 7043 rows (0.00%) are outside the expected range (0, 100).

monthlycharges: 0 out of 7043 rows (0.00%) are outside the expected range (0, 500).

totalcharges: High-cardinality column with 6531 unique values; details omitted.

gender: 0 invalid values out of 7043 rows (0.00%). (All values valid)

internetservice: 0 invalid values out of 7043 rows (0.00%). (All values valid)

partner: Unique values: ['Yes', 'No']

streamingtv: Unique values: ['No', 'Yes', 'No internet service']

onlinebackup: Unique values: ['Yes', 'No', 'No internet service']

multiplelines: Unique values: ['No phone service', 'No', 'Yes']

paymentmethod: Unique values: ['Electronic check', 'Mailed check', 'Bank transfer (automatic)', 'Credit card (automatic)']

techsupport: Unique values: ['No', 'Yes', 'No internet service']

streamingmovies: Unique values: ['No', 'Yes', 'No internet service']

phoneservice: Unique values: ['No', 'Yes']

paperlessbilling: Unique values: ['Yes', 'No']

churn: Unique values: ['No', 'Yes']

contract: Unique values: ['Month-to-month', 'One year', 'Two year']

onlinesecurity: Unique values: ['No', 'Yes', 'No internet service']

dependents: Unique values: ['No', 'Yes']

deviceprotection: Unique values: ['No', 'Yes', 'No internet service']

duplicates: 0 duplicate rows found out of 7043 rows (0.00%).

outliers: {'tenure': '0 out of 7043 rows (0.00%) are outliers.', 'monthlycharges': '0 out of 7043 rows (0.00%) are outliers.', 'totalcharges': '0 out of 7043 rows (0.00%) are outliers.'}