Data columns (total 12 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 customer\_id 10000 non-null int64

1 credit\_score 10000 non-null int64

2 country 10000 non-null object

3 gender 10000 non-null object

4 age 10000 non-null int64

5 tenure 10000 non-null int64

6 balance 10000 non-null float64

7 products\_number 10000 non-null int64

8 credit\_card 10000 non-null int64

9 active\_member 10000 non-null int64

10 estimated\_salary 10000 non-null float64

11 churn 10000 non-null int64

dtypes: float64(2), int64(8), object(2)

memory usage: 937.6+ KB

None

customer\_id credit\_score age tenure ... credit\_card active\_member estimated\_salary churn

count 1.000000e+04 10000.000000 10000.000000 10000.000000 ... 10000.00000 10000.000000 10000.000000 10000.000000

mean 1.569094e+07 650.528800 38.921800 5.012800 ... 0.70550 0.515100 100090.239881 0.203700

std 7.193619e+04 96.653299 10.487806 2.892174 ... 0.45584 0.499797 57510.492818 0.402769

min 1.556570e+07 350.000000 18.000000 0.000000 ... 0.00000 0.000000 11.580000 0.000000

25% 1.562853e+07 584.000000 32.000000 3.000000 ... 0.00000 0.000000 51002.110000 0.000000

50% 1.569074e+07 652.000000 37.000000 5.000000 ... 1.00000 1.000000 100193.915000 0.000000

75% 1.575323e+07 718.000000 44.000000 7.000000 ... 1.00000 1.000000 149388.247500 0.000000

max 1.581569e+07 850.000000 92.000000 10.000000 ... 1.00000 1.000000 199992.480000 1.000000

[8 rows x 10 columns]

customer\_id 0

credit\_score 0

country 0

gender 0

age 0

tenure 0

balance 0

products\_number 0

credit\_card 0

active\_member 0

estimated\_salary 0

churn 0

dtype: int64

precision recall f1-score support

0 0.61 0.57 0.59 1633

1 0.58 0.62 0.60 1553

accuracy 0.59 3186

macro avg 0.59 0.59 0.59 3186

weighted avg 0.59 0.59 0.59 3186