

Tasks 5: Advanced Analysis

Grouped Statistics by Tenure Bucket:

	tenure_bucket	customers	avg_monthly_charges	median_total_charges	\
0	0-12	2186	56.097781	174.550	
1	13-36	1856	63.248195	1404.975	
2	37+	3001	72.008730	4282.400	

	churn_rate
0	0.474382
1	0.255388
2	0.119294

File saved as: 'group_stats_by_tenure.csv'

Churn Rate by gender:

	gender	churn_rate
0	Female	0.269209
1	Male	0.261603

Churn Rate by seniorcitizen:

	seniorcitizen	churn_rate
0	0	0.236062
1	1	0.416813

Churn Rate by paymentmethod:

	paymentmethod	churn_rate
0	Bank transfer (automatic)	0.167098
1	Credit card (automatic)	0.152431
2	Electronic check	0.452854
3	Mailed check	0.191067

Churn Rate by contract:

	contract	churn_rate
0	Month-to-month	0.427097
1	One year	0.112695
2	Two year	0.028319