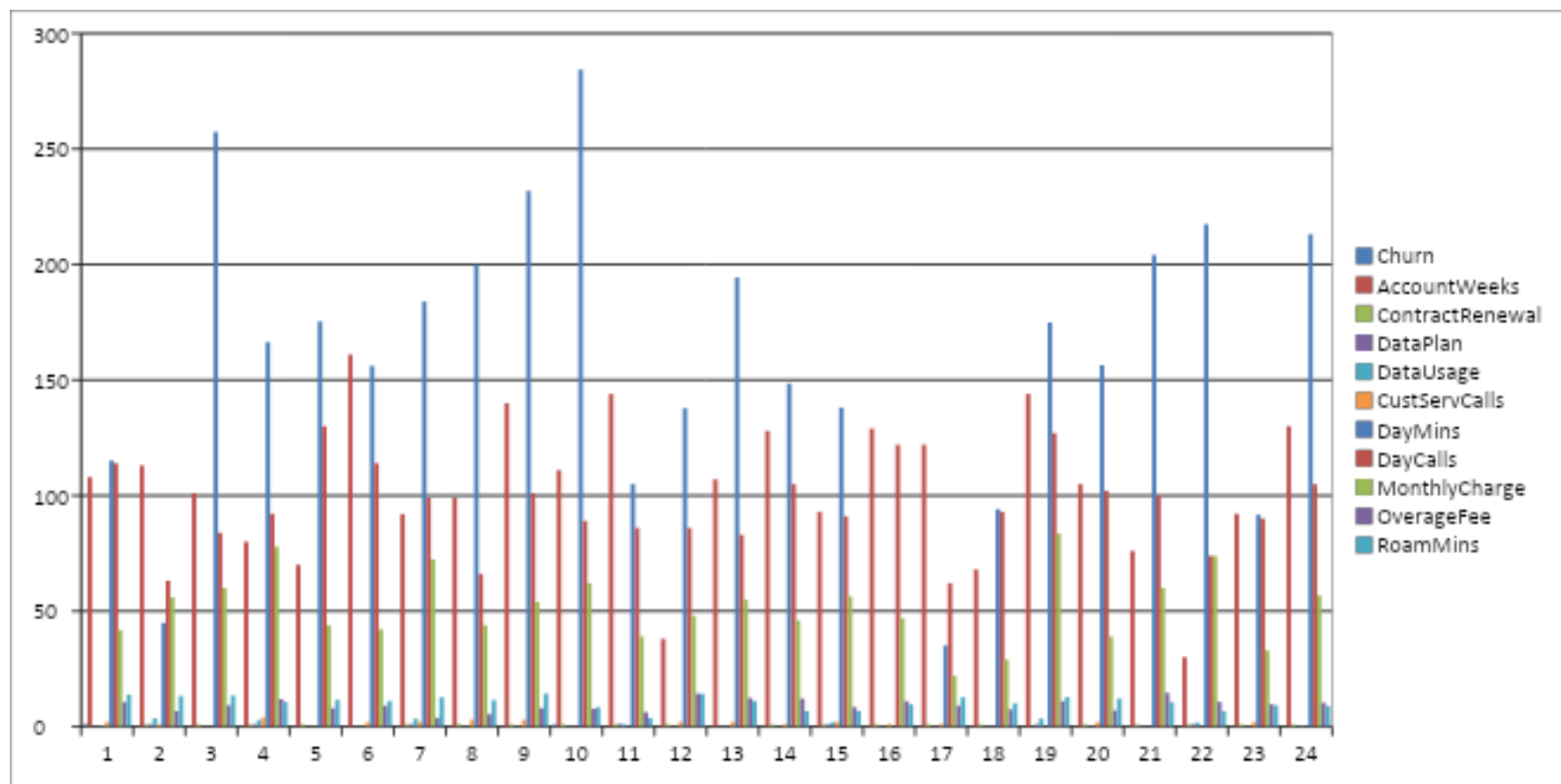


Practical -1

AIM: - Study of various data set using Excel

Output

Bar graph benefits simple to understand, facilitate quick comparisons between different categories, and highlight key trends in data. They can effectively represent both discrete and continuous data, making them versatile for various purposes



Churn	Accounts	ContractRenewal	DataPlan	DataUsage	CustServCalls	DayMinutes	DayCalls	MonthlyCharges	OverageFee	RoamMinutes
1	108	0	0	0.38	2	115.1	114	41.8	10.57	13.8
0	113	1	1	3.59	1	44.9	63	55.9	6.71	13.3
0	101	1	0	0.00	0	257.3	84	60.0	9.24	13.5
0	80	1	1	2.89	4	166.4	92	77.9	11.92	10.7
0	70	1	0	0.00	0	175.4	130	44.0	7.98	11.6
0	161	0	0	0.00	2	156.1	114	42.0	9.02	11.1
0	92	1	1	3.43	2	184.0	99	72.3	3.82	12.7
0	99	1	0	0.00	3	200.0	66	44.0	5.40	11.4
0	140	1	0	0.00	3	231.9	101	54.0	8.01	14.3
1	111	1	0	0.00	0	284.4	89	62.0	7.85	8.4
0	144	1	1	1.00	0	105.0	86	39.0	6.09	3.7
0	38	1	0	0.00	2	137.8	86	48.0	14.32	14.1
0	107	0	0	0.00	2	194.4	83	55.0	12.39	11.2
0	128	1	0	0.00	1	148.5	105	46.0	12.15	6.8
0	93	1	1	1.84	2	138.1	91	56.4	8.37	6.8
0	129	1	0	0.00	1		122	47.0	11.03	9.6
0	122	1	0	0.00	1	35.1	62	22.0	9.04	12.7
0	68	1	0	0.00	0	94.1	93	29.0	7.38	10.1
0	144	0	1	3.46	0	174.8	127	83.6	10.98	12.8
0	105	1	0	0.00	2	156.5	102	39.0	7.01	12.2
0	76	1	0	0.00	0	204.2	100	60.0	14.63	10.5
0	30	1	1	1.78	0	217.4	74	73.8	10.69	6.6
0	92	1	0	0.00	2	91.7	90	33.0	9.69	9.2

Procedure: Sample Data Set

Feature Explanations

Churn: Refers to the rate at which customers stop using a service.

AccountWeeks: The number of weeks a customer has been with the service.

Contract Renewal: Whether a customer has renewed their contract or is on a month-to-month plan.

Data Plan: The type of data plan a customer has (e.g., unlimited, limited).

Data Usage: The amount of data a customer uses monthly.

CustServCalls: The number of times a customer has contacted customer service.

DayMins: The number of daytime minutes a customer uses.

DayCalls: The number of daytime calls a customer makes.

MonthlyCharge: The amount a customer pays each month.

OverageFee: Any fees charged for exceeding data or minutes limits.

RoamMins: The number of roaming minutes a customer uses.