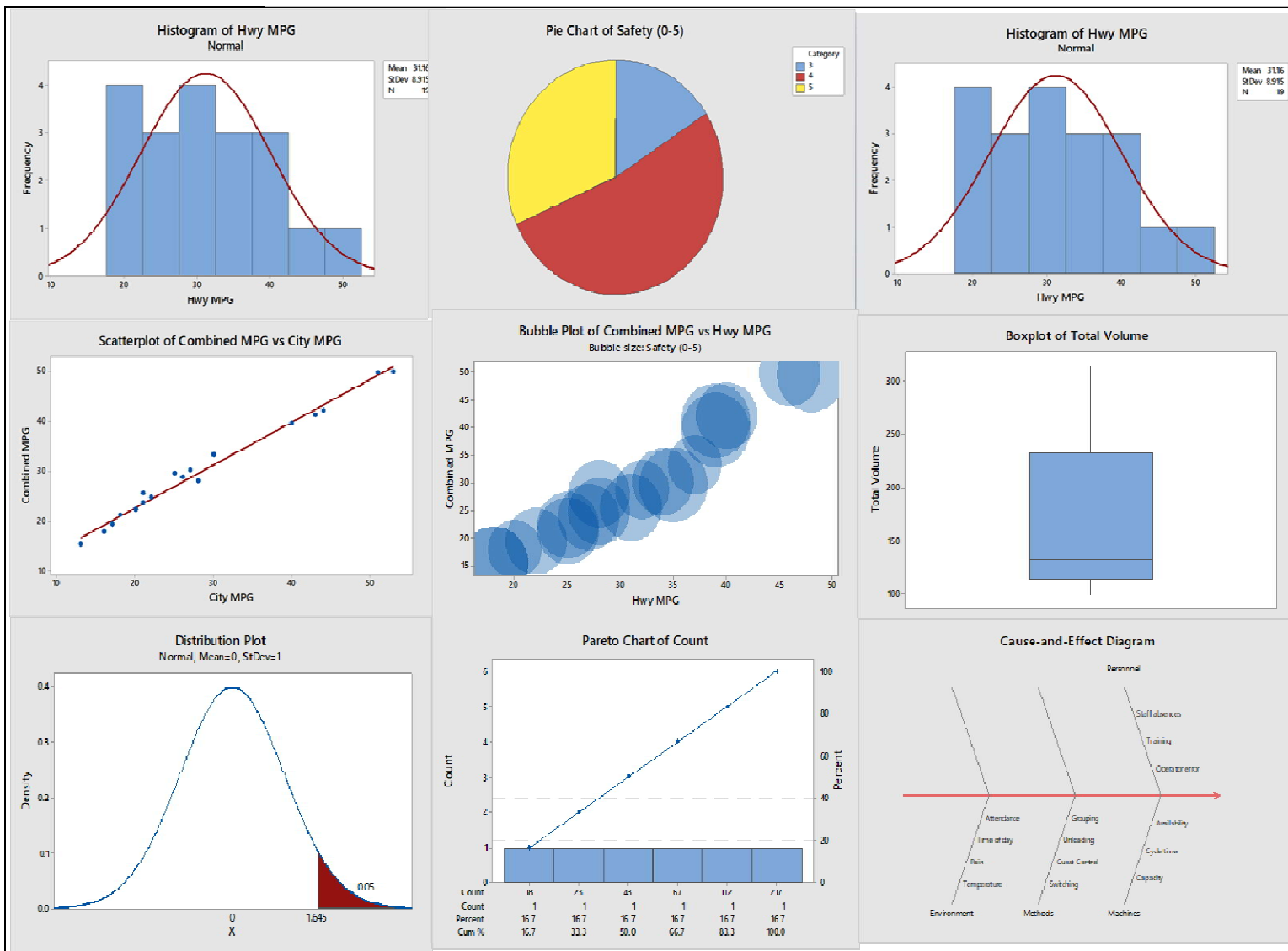# DATA VISUALIZATION WITH MINITAB

DATA MODELING

Data modeling in software engineering is the process of creating a data model for an information system by applying formal data modeling techniques. Data modeling is a process used to define and analyze data requirements needed to support the business processes within the scope of corresponding information systems in organizations. Therefore, the process of data modeling involves professional data modelers working closely with business stakeholders, as well as potential users of the information system.

↓	C1-T	C2-T	C3-T	C4	C5	C6	C7	C8	C9	C10	C11
	Vehicle	Type	Fuel	City MPG	Hwy MPG	Combined MPG	Retail ($1000)	Safety (0-5)	Interior Volume	Cargo Volume	Total Volume
1	A	SUV	Gas	17	29	22.40	31.3	4	97.3	89.7	187.0
2	B	Sedan	Gas	21	31	25.50	31.0	4	118.3	14.0	132.3
3	C	Sedan	Hybrid	40	39	39.55	35.6	5	118.3	14.0	132.3
4	D	Sedan	Gas	25	35	29.50	22.1	5	102.7	15.4	118.1
5	E	Sedan	Hybrid	43	39	41.20	26.0	5	102.7	15.4	118.1
6	F	Sedan	Gas	27	34	30.15	16.2	4	92.1	12.3	104.4
7	G	SUV	Gas	16	20	17.80	26.9	3	89.1	66.8	155.9
8	H	SUV	Gas	20	25	22.25	28.9	4	145.7	95.4	241.1
9	I	SUV	Hybrid	28	28	28.00	40.0	4	145.4	94.1	239.5
10	J	SUV	Gas	13	18	15.25	78.0	5	151.0	81.7	232.7