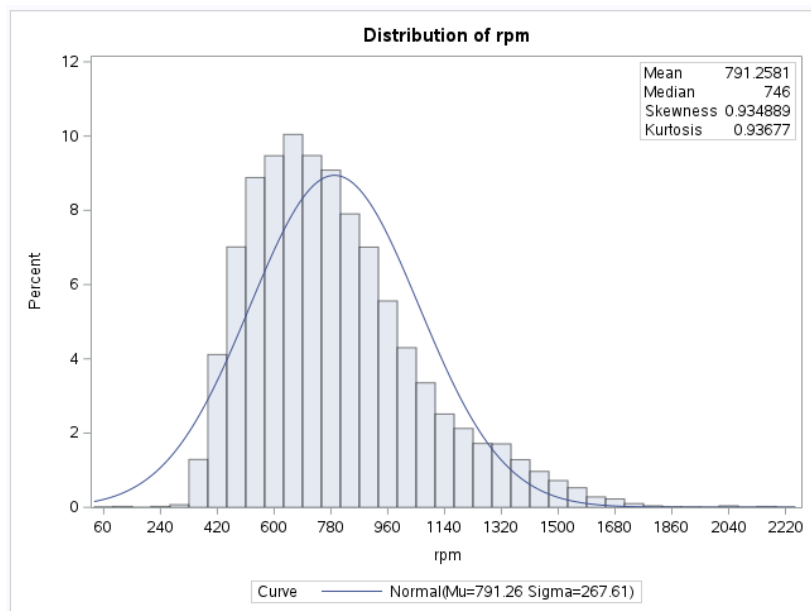


## Descriptive Statistics Results

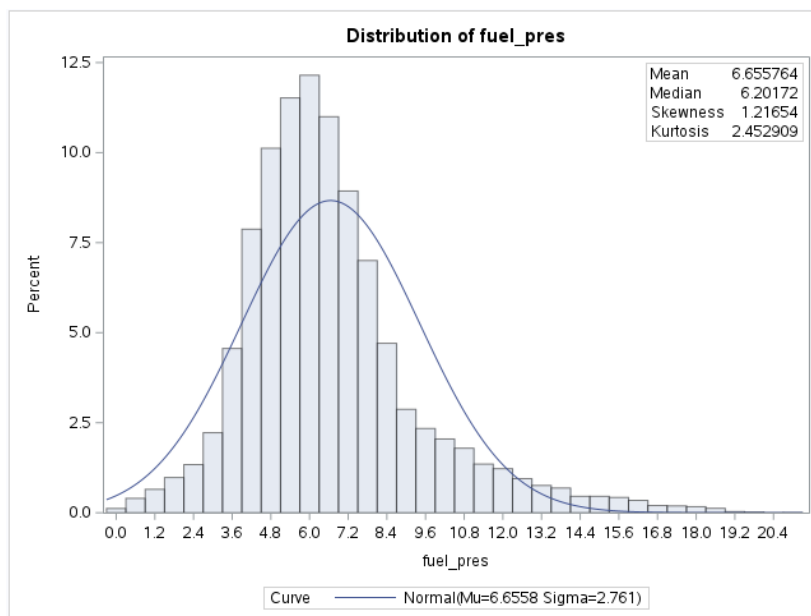
**Figure 1**

*Histogram with Inset Statistics for RPM*



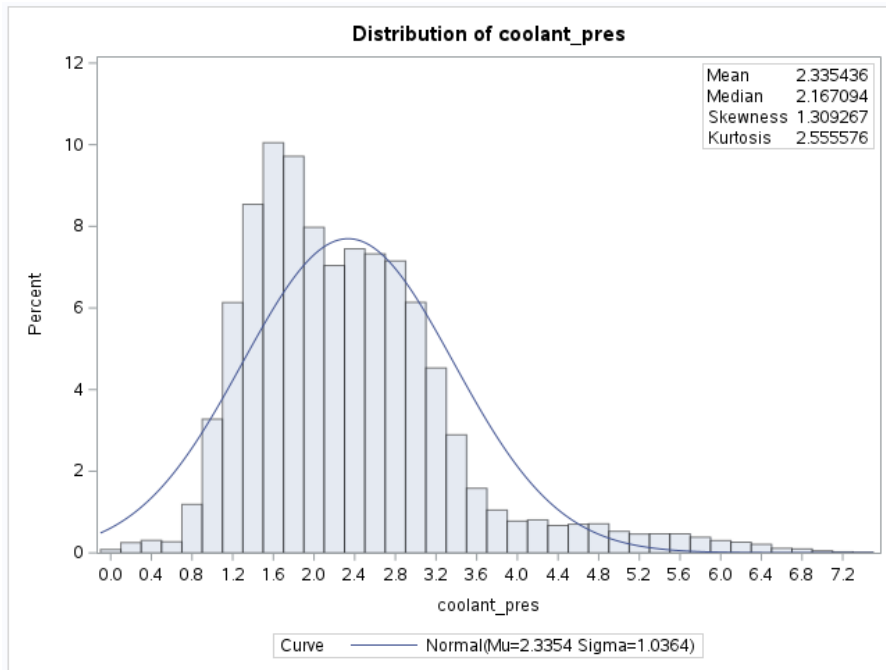
**Figure 2**

*Histogram with Inset Statistics for Fuel Pressure*



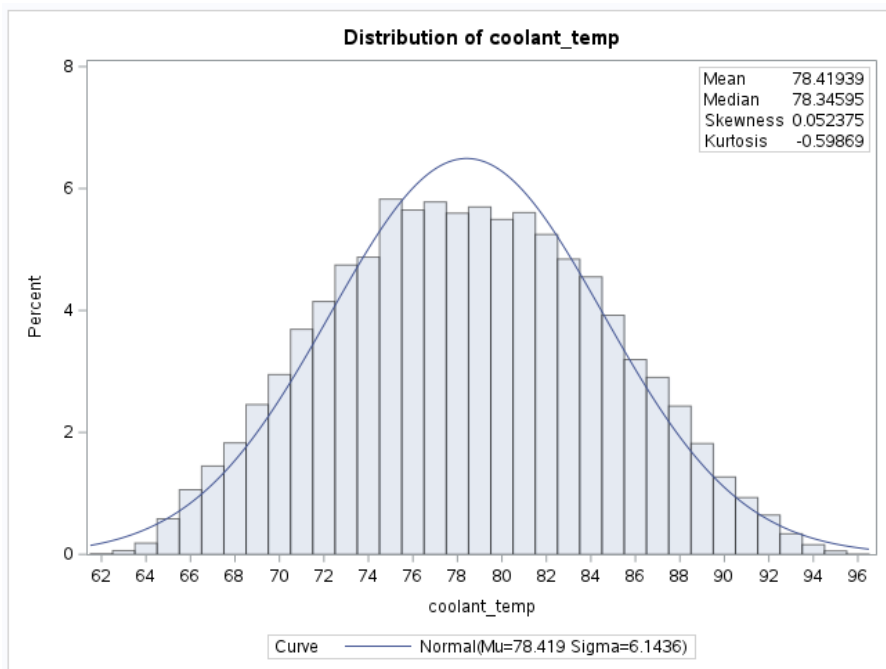
**Figure 3**

*Histogram with Inset Statistics for Coolant Pressure*



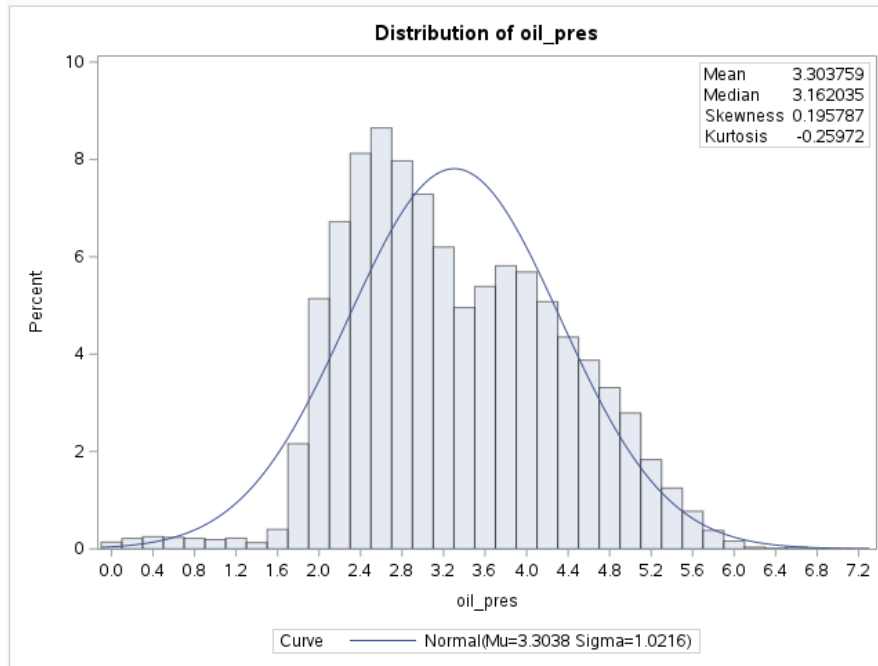
**Figure 4**

*Histogram with Inset Statistics for Coolant Temperature*



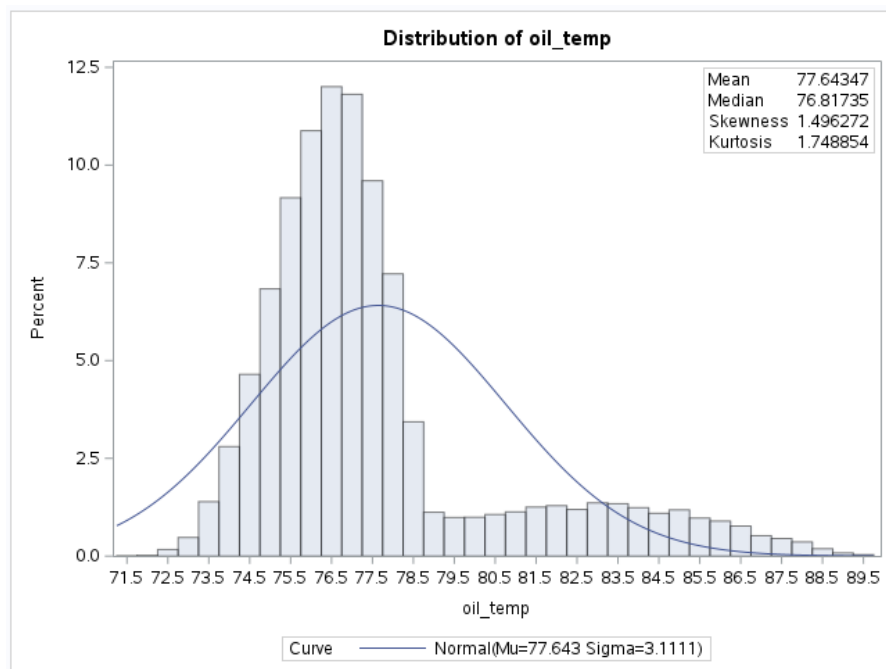
**Figure 5**

*Histogram with Inset Statistics for Oil Pressure*



**Figure 6**

*Histogram with Inset Statistics for Oil Temperature*



**Figure 7**

*Correlation Matrix*

Pearson Correlation Coefficients, N = 19533						
	rpm	oil_pres	fuel_pres	coolant_pres	oil_temp	coolant_temp
rpm	1.00000	0.02498	-0.00155	-0.02503	0.05211	0.03113
oil_pres	0.02498	1.00000	0.04394	-0.00936	-0.00806	-0.06083
fuel_pres	-0.00155	0.04394	1.00000	0.03324	-0.02533	-0.04335
coolant_pres	-0.02503	-0.00936	0.03324	1.00000	-0.02077	0.03466
oil_temp	0.05211	-0.00806	-0.02533	-0.02077	1.00000	0.07400
coolant_temp	0.03113	-0.06083	-0.04335	0.03466	0.07400	1.00000

**Figure 8**

*Summary Statistics*

Variable	Mean	Std Dev	Minimum	Maximum	Median	N Miss
rpm	791.2580761	267.6139855	61.0000000	2239.00	746.0000000	0
oil_pres	3.3037592	1.0215889	0.0033841	7.2655655	3.1620347	0
fuel_pres	6.6557645	2.7609968	0.0031871	21.1383255	6.2017196	0
coolant_pres	2.3354356	1.0364140	0.0024827	7.4785049	2.1670941	0
oil_temp	77.6434658	3.1111324	71.3219737	89.5807955	76.8173504	0
coolant_temp	78.4193930	6.1436042	61.6733247	95.8552834	78.3459548	0

**Figure 9**

*Summary Statistics Grouped by Engine Condition*

engine_condition	N Obs	Variable	Mean	Std Dev	Minimum	Maximum	Median	N Miss
0	7217	rpm	885.0123320	271.7376569	351.0000000	2239.00	843.0000000	0
		oil_pres	3.2222632	1.0102289	0.0078911	7.0513223	3.0670816	0
		fuel_pres	6.2368146	2.6813878	0.0031871	19.8589172	5.8241562	0
		coolant_pres	2.3680196	1.0872088	0.0024827	7.1684095	2.1818098	0
		oil_temp	78.0239545	3.2320304	72.2445544	89.5807955	77.0897425	0
		coolant_temp	78.7975470	5.9505925	62.4459553	94.7843922	78.7678377	0
1	12316	rpm	736.3194219	249.2993937	61.0000000	2172.00	690.0000000	0
		oil_pres	3.3515147	1.0252221	0.0033841	7.2655655	3.2146600	0
		fuel_pres	6.9012631	2.7774915	0.0507029	21.1383255	6.4209206	0
		coolant_pres	2.3163418	1.0050116	0.0156652	7.4785049	2.1580082	0
		oil_temp	77.4205048	3.0159611	71.3219737	89.2863016	76.6602498	0
		coolant_temp	78.1978002	6.2435429	61.6733247	95.8552834	78.1004904	0

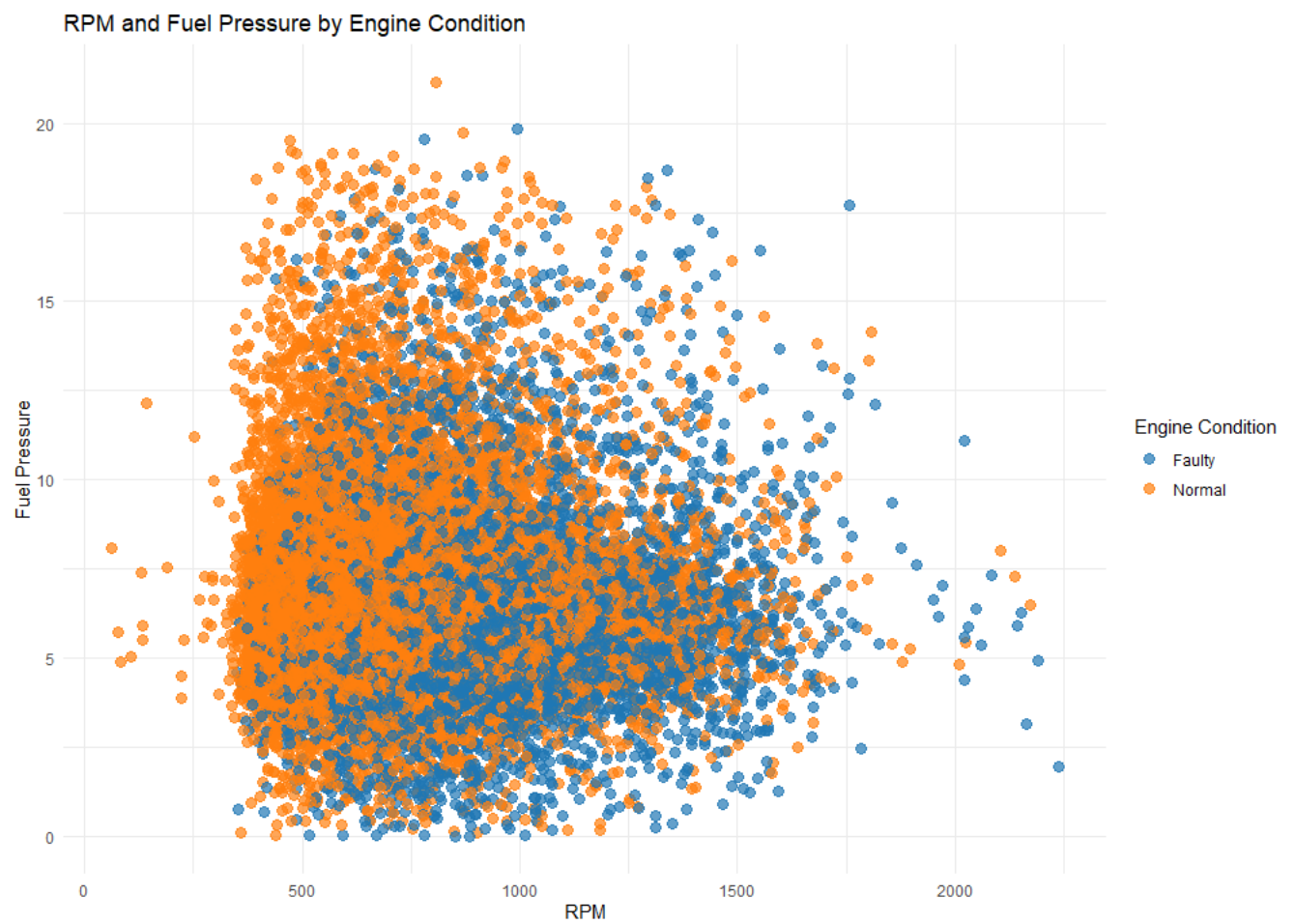
**Figure 10**

*One-way Frequency for Engine Condition*

engine_condition	Frequency	Percent
0	7217	36.95
1	12316	63.05

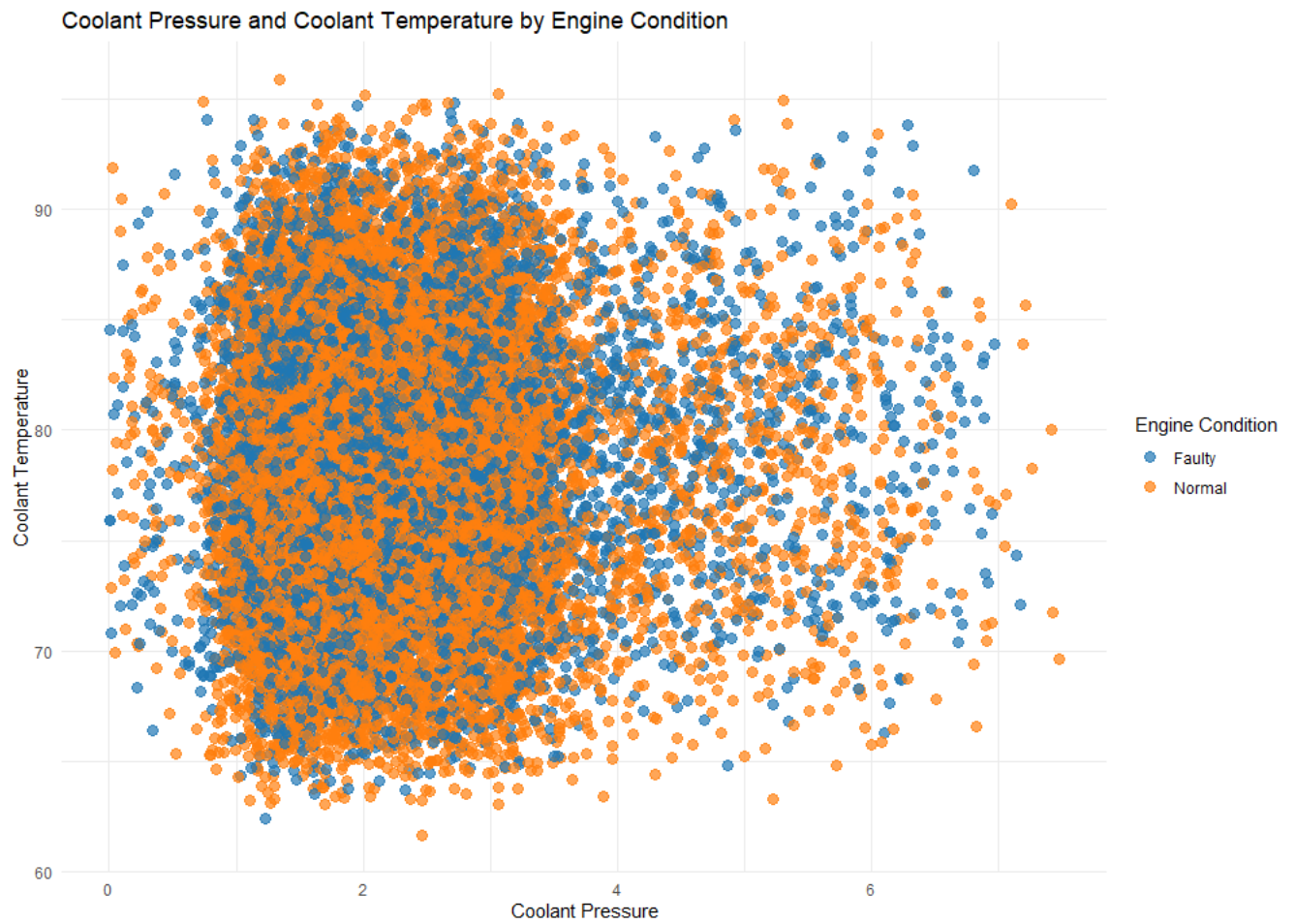
**Figure 11**

*Scatterplot for RPM and Fuel Pressure Grouped by Engine Condition*



**Figure 12**

*Scatterplot for Coolant Pressure and Coolant Temperature Grouped by Engine Condition*



**Figure 13**

*Scatterplot for Oil Pressure and Oil Temperature Grouped by Engine Condition*

