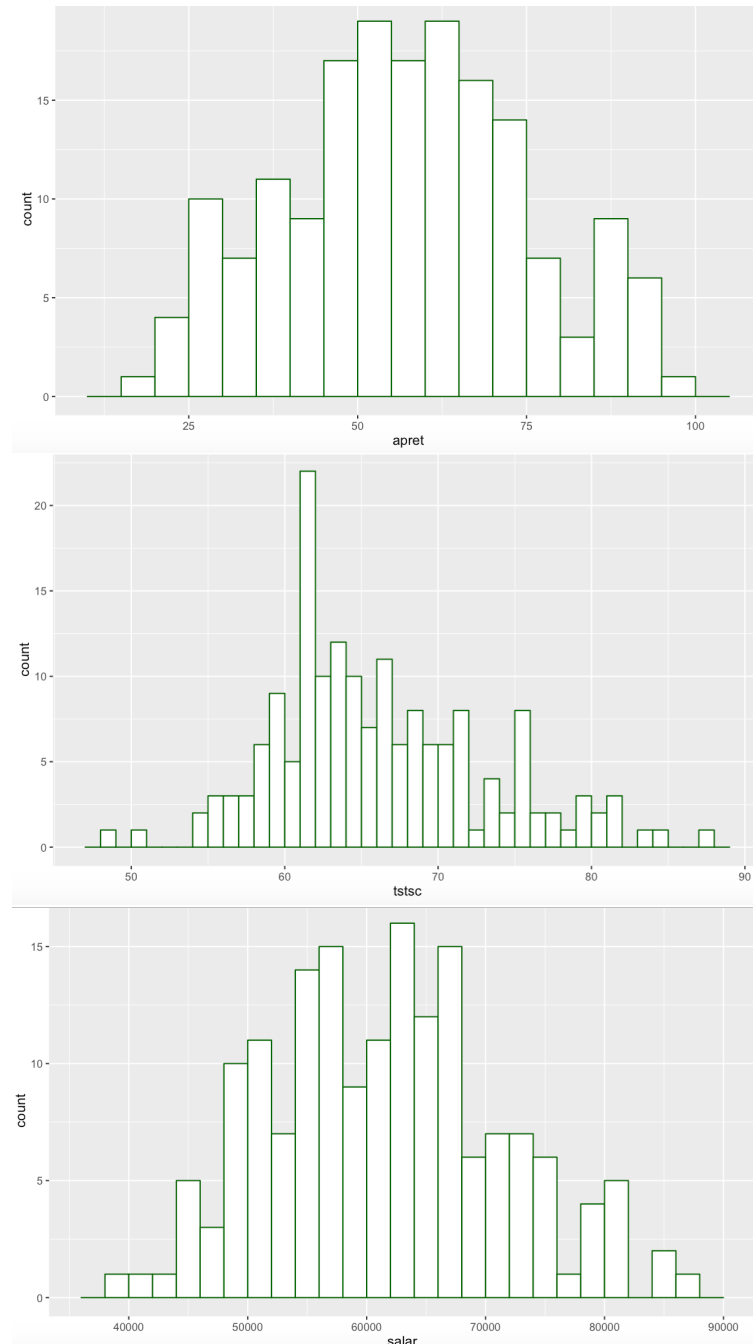


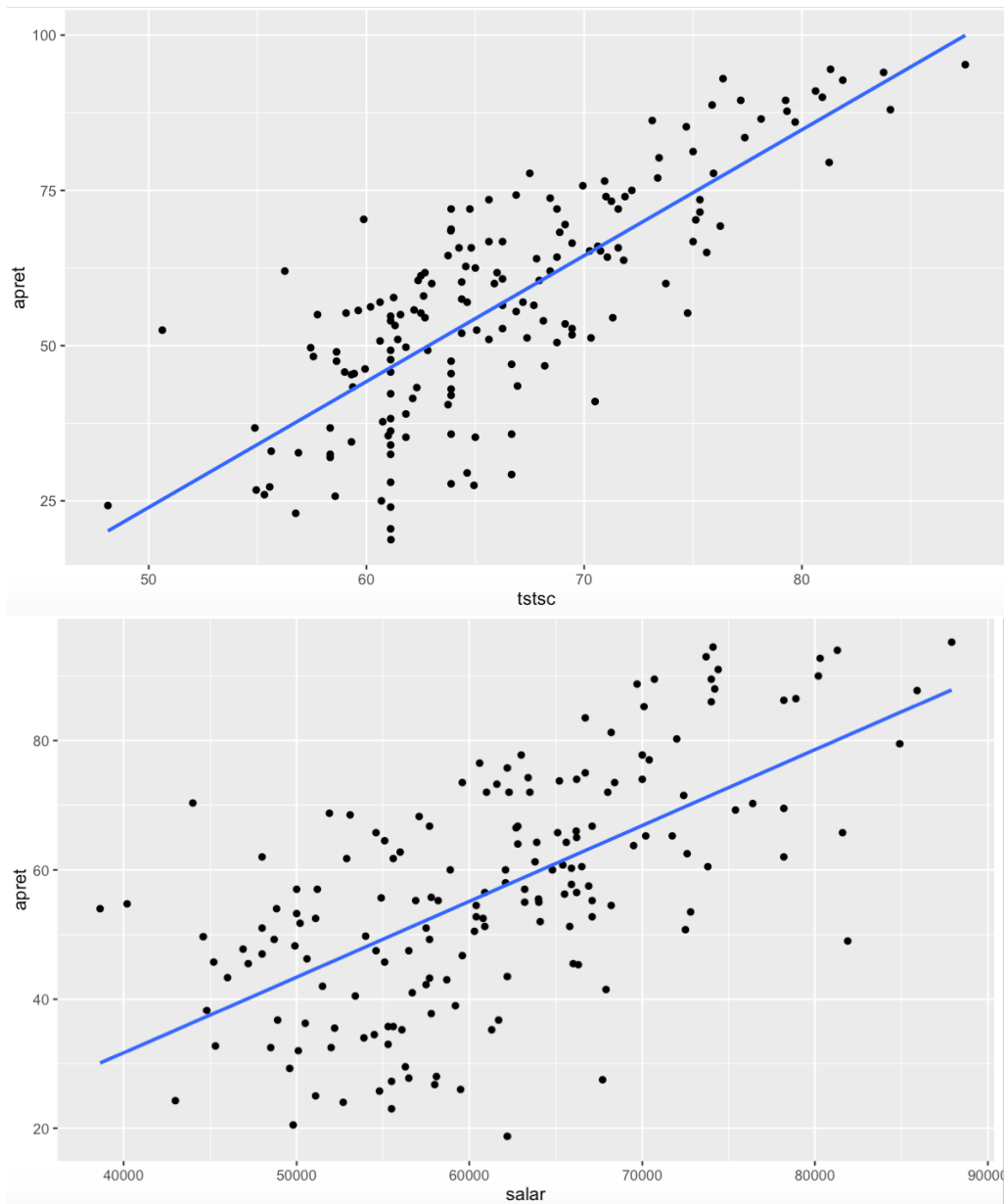
## Assignment 2: Statistics Concepts

Members: zhp6 tow6

(a) generate descriptive statistics and plot histograms for the following three columns: `apret`, `tstsc`, and `salar`.



(b) perform linear regression of apret on tstsc and salar separately and then of apret on both tstsc and salar.



Call:

```
lm(formula = apret ~ tstsc + salar, data = mydata3)
```

Residuals:

Min	1Q	Median	3Q	Max
-29.458	-7.915	1.270	7.777	29.538

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )	
(Intercept)	-7.591e+01	8.210e+00	-9.246	<2e-16	***
tstsc	1.738e+00	1.761e-01	9.868	<2e-16	***
salar	2.880e-04	1.253e-04	2.298	0.0228	*

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 11.16 on 167 degrees of freedom

Multiple R-squared: 0.6237, Adjusted R-squared: 0.6192

F-statistic: 138.4 on 2 and 167 DF, p-value: < 2.2e-16