Scatterplot with line and LOESS curve

Scatterplot with line and LOESS curve

IQ vs cry count

- IQ
- Loess, Smooth=0.5
- Loess, Smooth=1
Histogram with Normal and best guess overlay

Percent

IQ

75  100  125  150  175

Normal  Kernel Density
Histrogram with Normal and best guess overlay
QQ-plots using PROC UNIVARIATE

Q-Q Plot for IQ

Normal Quantiles

IQ

Normal Line  Mu=117.24, Sigma=19.383
QQ-plots using PROC UNIVARIATE

Q-Q Plot for crycount

Normal Quantiles

Normal Line  Ma=17.237, Sigma=5.0694
### Pearson's and Spearman's Correlation

#### The CORR Procedure

<table>
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<tr>
<th>Variable</th>
<th>N</th>
<th>Mean</th>
<th>Std Dev</th>
<th>Median</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Label</th>
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#### Pearson Correlation Coefficients, N = 38

\[
\text{Prob} > |r| \text{ under } H_0: \rho = 0
\]

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#### Spearman Correlation Coefficients, N = 38

\[
\text{Prob} > |r| \text{ under } H_0: \rho = 0
\]

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Pearson's and Spearman's Correlation

The CORR Procedure

Scatter Plot
With 95% Prediction Ellipse

Observations 38
Correlation 0.4018

IQ
Pearson's and Spearman's Correlation

The CORR Procedure

Scatter Plot Matrix