$$y_{11} \text{ values}$$

$$y_{12} \text{ values}$$

$$y_{14} = \frac{1}{6} (4.23 + 4.08 + 3.81 + 9.87 + 9.23 + 8.86)$$

$$= 6.68$$

$$\overline{y}_{3} = \frac{1}{2} (3.79 + 9.47)$$

$$= 6.63$$

$$\begin{array}{rcl}
\ddot{y}_{,2} &=& \frac{1}{3} \left(\ddot{y}_{12} + \ddot{y}_{22} + \ddot{y}_{32} \right) \\
&=& \frac{1}{3} \left(9.32 + 10.29 + 9.47 \right) \\
&=& 9.69
\end{array}$$

rate 9.32 High Pedroleum
9.47
Low Petroleum
9.79
Low MED High

- No both lines are basically made of parallel segments.

 If there was a significant interaction, we would expect
 to see these profiles crossing, or at least having
 very different overall shapes.
 - (f) $a_1 = \overline{y}_1 \overline{y}_2 = 6.68 6.9 = -.22$