

1. In 1903 Pearson and Lee (*Biometrika* 2: 357) reported the regression of son's stature (H_{son} = inches) on father's stature (H_{father} = inches) using data from over 1000 families.
 $H_{son} = 33.73 + 0.516H_{father}$

The average height of the fathers was 67 inches.
What is the predicted height of sons of fathers of average height ? _____

What is the predicted height of sons of fathers that are 6 inches above the average height ? _____

For each increase in height of father by 1 inch, what is the increase in height of their sons ? _____

The regression equation was estimated from 17 pairs of mean heights ($n = 17$). Complete the source and degrees of freedom columns of an ANOVA table.

2. Complete the following ANOVA table (Snedecor and Cochran 1989, p335)

SOURCE	DF	SS	MS	F	p
Regression	___	198.6	_____	_____	0.414
Error	___	_____	_____		
Total	16	4426.5			