

Computing ODDS (Logistic Regression)

$$* P = 0.40 \quad 1-P = 0.60$$

$$\text{odds} = \frac{P}{1-P} = \frac{0.40}{0.60} = \underline{\underline{\frac{2}{3}}}$$

$$* P = 0.60 \quad 1-P = 0.40$$

$$\text{odds} = \frac{P}{1-P} = \frac{0.60}{0.40} = \frac{3}{2} = \underline{\underline{1.5}}$$

$$* P = 0.70 \quad 1-P = 0.30$$

$$\text{odds} = \frac{P}{1-P} = \frac{0.70}{0.30} = \underline{\underline{2.33}}$$

$$* P = 0.80 \quad 1-P = 0.20$$

$$\text{odds} = \frac{0.80}{0.20} = \underline{\underline{4}}$$

$$* P = 0.90 \quad 1-P = 0.10$$

$$\text{odds} = \frac{0.90}{0.10} = \underline{\underline{9}}$$