$$\hat{\beta} = (X'X)^{-1}(X'Y) \tag{1}$$

$$X_1 \sim u[0,1] \tag{2}$$
$$X_2 \sim u[0,1] \tag{3}$$
$$East \sim u[0,1] \tag{4}$$
$$North \sim u[0,1] \tag{5}$$

$$[Y, X_1, X_2, East, North] \tag{6}$$

$$\left.\begin{array}{l} x = r \cos\varphi \\ y = r \sin\varphi \end{array}\right\} \tag{7}$$

$$v_1 = \text{"effective number of parameters"}$$