Population Model

Vi= Bo+ B1 X11+ B2 X21+ B3 X31+U1

Y= annual in come

X1 = % republican

X2= % independent

X3 = % unknown political party

[reference group = democrats]

Predicted Values of Y

Republicans  

$$Y = 24476 + (6184 * 1) - (1736 * 0) - (3335 * 0)$$
  
 $X_{1i} = 1$ ,  $X_{2i} = 0$   
 $Y = 24476 + (6184)$   
 $Y = 30,660$ 

Independents
$$Y = 24476 + (6184 * \phi) - (1736 * i) - (3335 * \phi)$$

$$X_{1i} = \phi, X_{2i} = 1$$

$$X_{3i} = \phi$$

$$Y = 24476 - 1736$$

$$Y = 22,740$$