30 case:

Rotation about Y-axii: Ry(0)

$$\begin{bmatrix} x' \\ y' \\ z' \end{bmatrix} = \begin{bmatrix} x(050 + 25140) \\ -x5146 + 2(050) \end{bmatrix} = \begin{bmatrix} co50 & 0 & 5140 & 0 \\ 0 & 0 & 0 & 0 \\ -5440 & 0 & co50 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \\ 1 \end{bmatrix}$$

Rotation about 2-axis: RZ(0)

$$\begin{bmatrix} x' \\ y' \\ z' \end{bmatrix} = \begin{bmatrix} \cos \phi - \sin \phi & \phi & \phi \\ \sin \phi & \cos \phi & \phi \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \\ 1 \end{bmatrix}$$

20 vesion enhelled in 30 =) rotation still happens in x-y place. # All rotation directions above follow the right-hand rule.

- Make a fist with your right had
- point your thumb along to (+) rotation exis
- + rotetion 9 is in the direction that
 your finges curl.

MA Pro	ject 3: Linear Regression	
	Beyond just "looking" at data	
	in a scatter plot, we went to quent	F
	relationships between 2+ Variables	
	and the strength of association.	
is Ca	encer associated with - smothing? - Strong? - driving? - unrelated? - old age?	
)	Yaw data =	
Caree lak	went in the second of the seco	
	Years smoking Years smoking	
regress	ion: curve fit to date that tolerates error in measurement and noise	