



#### 4. Risk and Insurance

recall  $\sigma_Y$  is the measure of the the dispersion around the average income  $E(Y)$ . Below  $E(Y)$  is 20,000 and  $\sigma_Y$  is marked off by the dashed lines and is about 15,000.

##### A. $E(Y)$ and $E(U)$ with and without insurance