

Econ 471 PS2

$$1.1. f_{Y|X}(y|x) = f_Y(y)$$

$$f_{Y|X}(y|x) = \frac{f_{XY}(x,y)}{f_X(x)}$$

$$f_Y(y) = \frac{f_{XY}(x,y)}{f_X(x)}$$

$$f_Y(y) \cdot f_X(x) = f_{XY}(x,y)$$