

Conditional Densities

- 1 Why
- 2 Definition
- 3 Notation

Let $f: \mathbb{R}^d \to \mathbb{R}$ a density. For $i, j = 1, \dots, d$ and $i \neq j$, let $f_{i|j}: \mathbb{R}^2 \to \mathbb{R}$ satisfy

$$f_{ij}(\xi, \gamma) = f_{i|j}(\xi, \gamma) f_j(\gamma)$$

