

$F = \text{forehead measurement} = \theta + \theta + \mathcal{U}_F$

$T = \text{under tongue measurement} = \frac{5}{n} + \theta + \mathcal{U}_T$

$\mathcal{U}_F \sim N(0, 10) \quad \mathcal{U}_T \sim N(0, 1)$

$I = \text{in ear measurement}$

$F$

$T$

