

alloscore talk

# Motivation

Gov to allocate scarce hospital supplies across 50 states

- ▶ given many (probabilistic) forecasts of need, which should they use?

Raises question: how will chosen forecast be used?

One possibility: to minimize  $E_F \sum_{i=1}^{50} \max(0, Y_i - x_i)$

- ▶  $Y_{1:50} \sim F$  are future needs ( $F$  unknown)
- ▶  $x_{1:50}$  are allocated quantities
- ▶ only  $K$  units of supplies are available