The game

- Prediction algorithm A has access to N experts.
- ▶ The following is repeated for t = 1, ..., T
 - **Experts** generate predictive distributions: $\mathbf{p}_1^t, \dots, \mathbf{p}_N^t$
 - Algorithm generates its own prediction p^t_A
 - c^t is revealed.
- Goal: minimize regret:

$$-\sum_{t=1}^{T} \log p_{\mathcal{A}}^{t}(c^{t}) + \min_{i=1,\dots,N} \left(-\sum_{t=1}^{T} \log p_{i}^{t}(c^{t}) \right)$$