

Introduction to Machine Learning

Online Learning: Weighted Majority 2

February 27, 2018

2. Predicting for a new day

Say that we have 10 cities. We have their weights in the model as well as what their weather is for this day. Write pseudocode to get what the model should predict. Intuitively, this prediction represents “if you were trying to predict Pittsburgh’s weather on this day, which city’s weather best predicts it?”

3. Updating the model

Now that we’ve made the prediction above, write pseudocode to update the model’s weights for each of the cities according to how they performed on the day’s prediction (i.e. were they correct?).