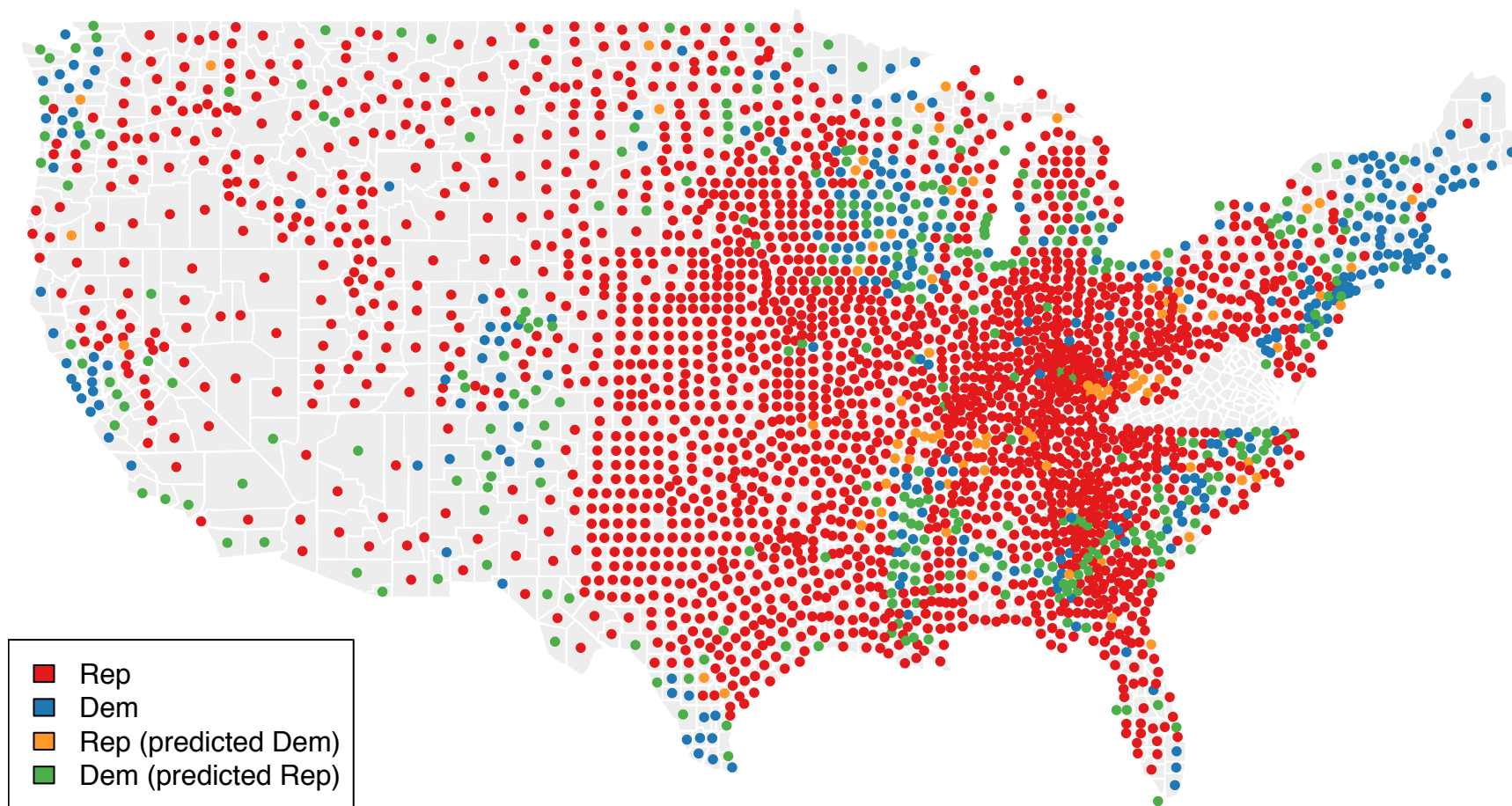


**The Averagers:**

**Matthew Iannone, Arif Ali, Teresa Tenfelder, Sean Linchan**

## Prediction Accuracy using K-Nearest Neighbor



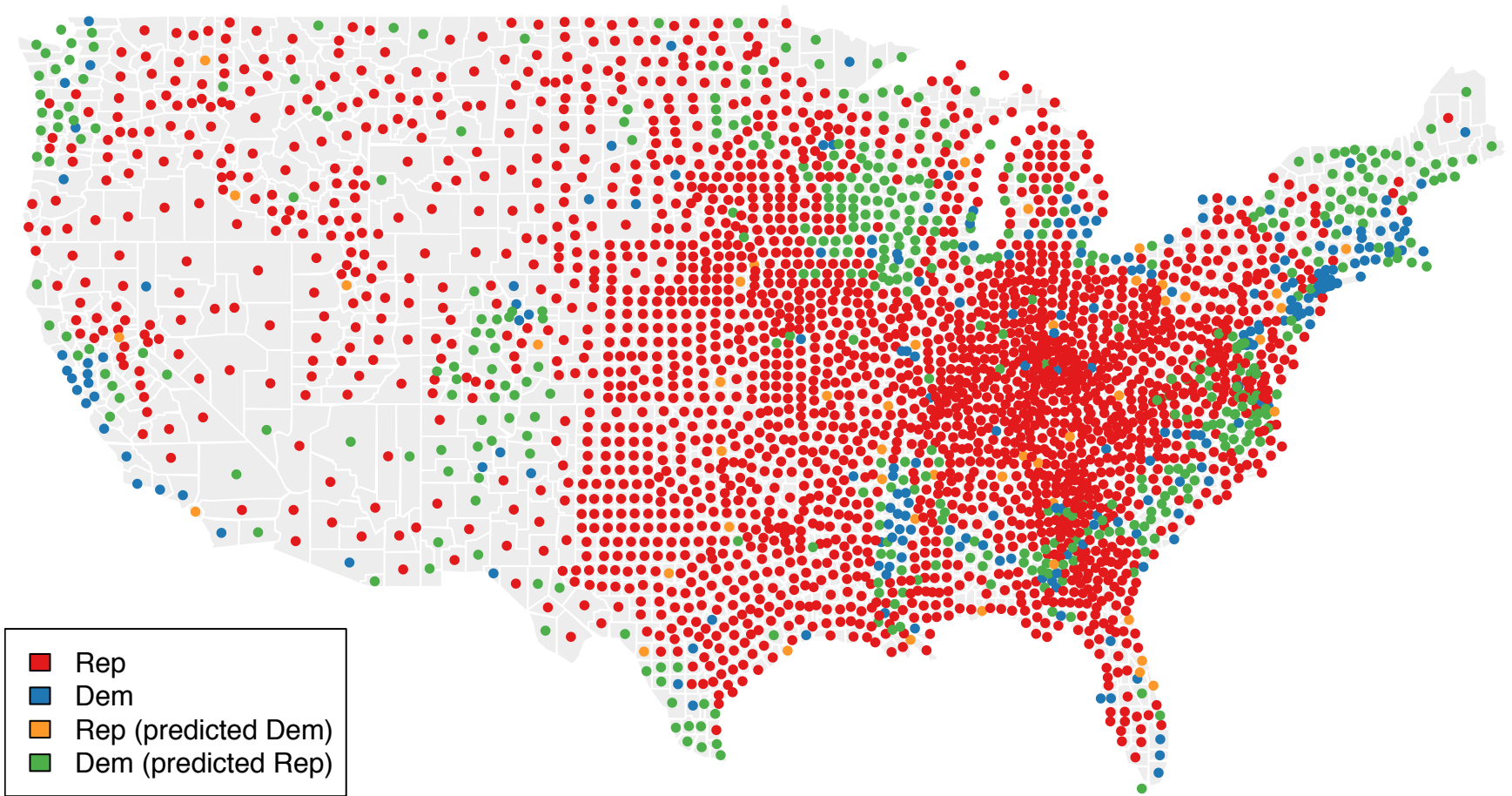
Red and Blue represent correctly-predicted Republican and Democrat, respectively.

Beige corresponds to Republican wins that were incorrectly predicted as Democrat.

Green corresponds to Democrat wins that were incorrectly predicted as Republican.

Our KNN predictor tended to incorrectly predict: Democrat wins in counties where Republicans won.

## Prediction Accuracy using Recursive Partitioning



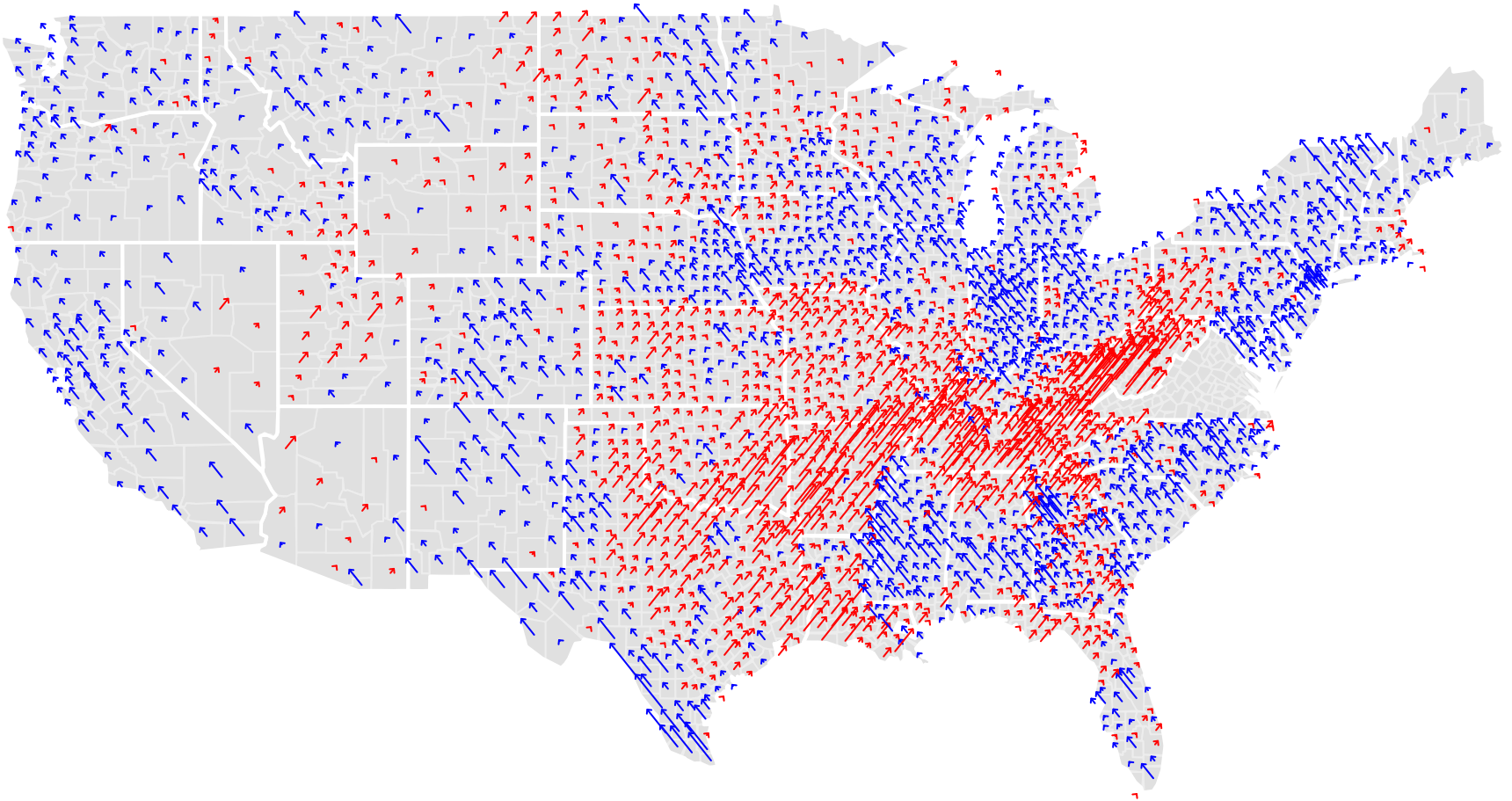
Red and Blue represent correctly-predicted Republican and Democrat, respectively.

Beige corresponds to Republican wins that were incorrectly predicted as Democrat.

Green corresponds to Democrat wins that were incorrectly predicted as Republican.

Our Recursive Partitioning predictor tended to incorrectly predict: Democrat wins in counties where Republicans won.

## Vote Shift from 2004 to 2012



Arrow length corresponds to proportion of change. Notice that although there are long red arrows indicating a strong shift toward voting Republican in those areas, the blue arrows occur in critical 'swing states' which play an important role electorally. Virginia data were unavailable.

