

A Logistic Regression/Markov Chain Model for the NFL

Aryan Mittal and Joel Sokol

ABSTRACT. We apply a logistic regression/Markov chain (LRMC) model developed by Kvam and Sokol to generate improved National Football League (NFL) team power rankings. We aim to quantify the NFL home field advantage and better predict playoff outcomes.

SCHOOL OF INDUSTRIAL AND SYSTEMS ENGINEERING, GEORGIA INSTITUTE OF TECHNOLOGY