

Drivers' Moves in Formula One Economics: A Network Analysis Since 2000

Paulo Reis Mourao, Ph.D

Department of Economics & NIPE, Economics & Management School, University of Minho

4700 Braga - Portugal

Abstract

This paper explores the potentiality of social networks analysis to discuss the industrial organization of Formula One since the 2000 season. We tested three major hypotheses related to the centrality of championship teams, their selectiveness when observing drivers' moves, and the role of certain explicative attributes. We conclude for the presence of oligopolistic elements in Formula One industry, in which champions assume high scores for betweenness centrality, send and receive drivers from a few other teams, and opt for exchanging drivers and other teams' resources with not-so-competitive scuderias.

Keywords: Motorsports; Transfers; Network Analysis; Industrial Organization