

# YURI CLEMENTS DAGLIA CALIL

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## Factors Affecting Pure-bred Nellore Prices Sold in Auctions in Brazil

Hedonic models have long been used to examine characteristics that affect cattle prices. Relatively few projects have studied purebred bull prices, and even fewer examine bos indicus breeds (Dhuyvetter et al., 1996; Chvosta et al. 2001; Jones et al. 2008;, and Mitchell et al., 2018). This research addresses physical, morphological, genetic characteristics, and market factors influence on the price of Nellore pure-bred bulls sold in auctions in Brazil. To the best of our knowledge, previous studies neither perform studies about factors that influence Brazilian cattle prices nor offers the attributes' value of Nellore breed. Unlike the U.S., Brazil's beef competitiveness is rooted in Nellore cattle, a bos indicus breed, present in more than in 80% of beef cattle (Rosa & Menezes, 2016). Brazil's tropical production area and extensive grassland production lend themselves to the Nellore breed. Bos inducus breeds, like Brahmas, have an important place in Southern U.S. cattle production. Data from 1772 head are analyzed in a hedonic framework. Preliminary results indicate price premiums for precocity, conformation, EPDs for weight, and ranch reputation (brand).

**Friday, October 26**

**12:00 pm**

**AGLS 200**