World Academy of Science, Engineering and Technology
International Journal of Law and Political Sciences
Vol:17, No:09, 2023

Using AI for Analysing Political Leaders

Authors : Shuai Zhao, Shalendra D. Sharma, Jin Xu

Abstract : This research uses advanced machine learning models to learn a number of hypotheses regarding political executives. Specifically, it analyses the impact these powerful leaders have on economic growth by using leaders' data from the Archigos database from 1835 to the end of 2015. The data is processed by the AutoGluon, which was developed by Amazon. Automated Machine Learning (AutoML) and AutoGluon can automatically extract features from the data and then use multiple classifiers to train the data. Use a linear regression model and classification model to establish the relationship between leaders and economic growth (GDP per capita growth), and to clarify the relationship between their characteristics and economic growth from a machine learning perspective. Our work may show as a model or signal for collaboration between the fields of statistics and artificial intelligence (AI) that can light up the way for political researchers and economists.

Keywords : comparative politics, political executives, leaders' characteristics, artificial intelligence
Conference Title : ICPSIR 2023 : International Conference on Political Science and International Relations
Conference Location : New York, United States
Conference Dates : September 11-12, 2023