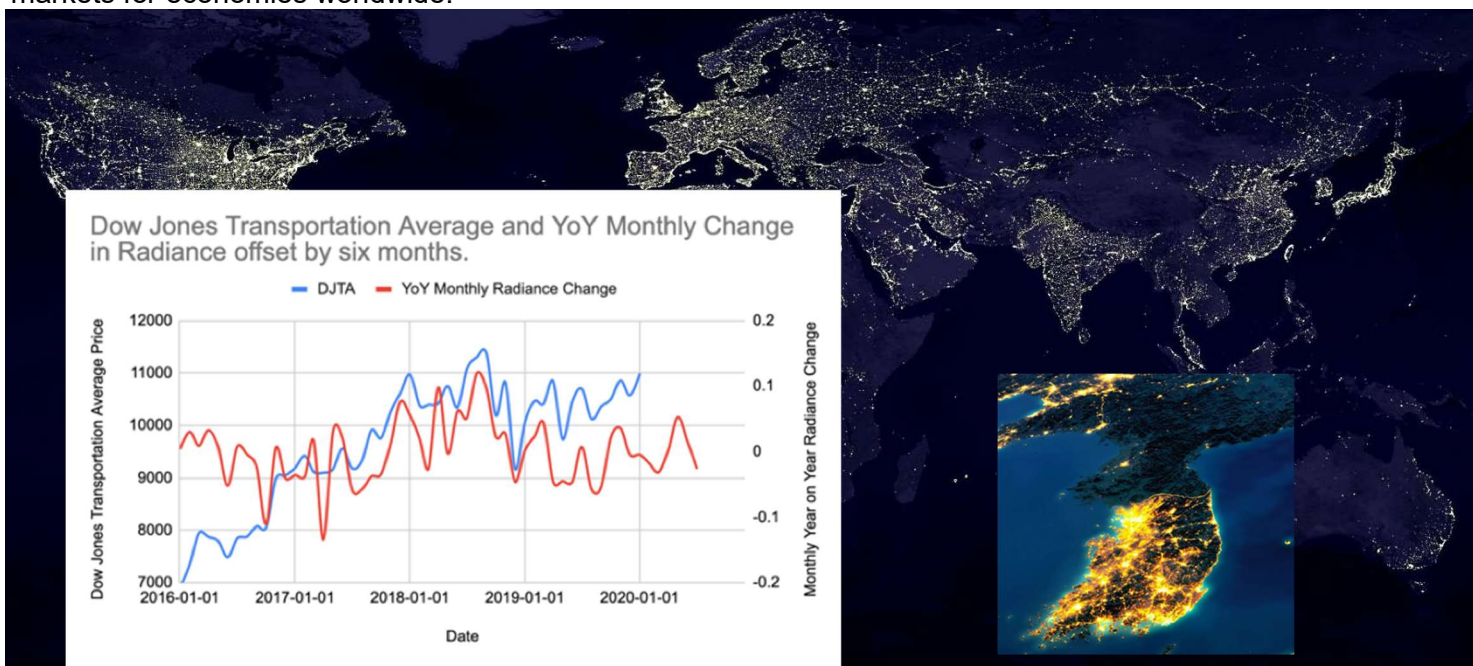


## Identifying Performance of Countries Worldwide

Kumi Analytics has worked with leading economists and earth observation scientists to develop an early indicator signal of changes in economic activity by tracking night lights radiance values on a daily basis worldwide. Incorporating AI Algos radiance values are corrected atmospheric and environmental anomalies. Combining corrected radiance values into a monthly report provides the earliest signals of GDP levels and economic shifts in markets for economies worldwide.



Worldwide Image: Radiance values are captured for every part of the globe daily. The chart shows how Kumi Analytics AI corrected radiance values can accurately predict national macro-economic trends **up to 6 months** in advance of traditional indices. Inset image of Korea: Note the sharp radiance contrast between North & South Korea.

| Fact Sheet                                                                                                                                                                                                                                                                                       | Accurately Monitor Macro Trends                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Daily radiance data corrected for fires, ice, snow, stray lights and atmospheric distortions</li> <li>Daily data processed into monthly reports</li> <li>200+ countries monitored daily worldwide</li> <li>Includes 5 years of historical data</li> </ul> | <ul style="list-style-type: none"> <li>Incorporates accurate physical world data</li> <li>Leading indicator of national indexes</li> <li>Early predictor of shifts in PMI</li> <li>Achieve Sharpe ratios exceeding 1.0 with basic trading strategies</li> <li>Time series analyses</li> </ul> |

Kumi Analytics is an alternative data company focused on earth observation analytics for the financial services industry. Kumi Analytics creates products from satellite imagery with machine learning algorithms and partners with the world's top researchers. Contact us today to learn how we can help you get ahead of the market with unique earth observation analytics data.