Capstone Project –The Battle of the Neighborhoods

for Applied Data Science Capstone Course

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INTRODUCTION

This project strives to identify the South Korea country that are a low/high risk for servere impact from COVID-19, the disease caused by the novel coronavirus (SARS-cov-2).

Over 2.4 million cases of COVID-19 have been reported worldwide (as of April 22nd 2020) with over 170,000 deaths. This is the one of the most horrible and pandemic event within the past years. The Virus is slowly and fastly spreading through our communities, friends, family and everywhere. Many citites in Korea, Korean government and everywhere in the world are panic.

Two key factors that have been cited as being correlated to the likelihood of contracting COVID-19 are population density and availability of hospital test kits and qurotine location. We will look at these factors and use data science techniques to combine relevant data with geographical locations to indicate on a Korea's cities map those areas that the data show have highest risk for COVID-19 .

This map and the data behind it will allow civic and other leaders in South Korea to clearly see where they need to take mitigating steps (like arranging COVID-19 test center, hospital beds, adding qurotine location for those who are serious and non-serious case) that will save lives and help the one who needs the help right away.