**Presentation Title:** The Correlation between Mask-Wearing and COVID-19 Cases in Multiple Regions

**Research Focus:** Data Science

**School:** University of Maryland, College Park

**Abstract:**

The Correlation between Mask-Wearing and COVID-19 Cases in Multiple Regions

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Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes. Because of this mask wearing has been recommended by many scientists and health professionals to slow the spread and protect yourself and others from the COVID-19 virus. The research project address what is the correlation between wearing a mask and COVID-19 cases? It also addresses the COVID-19 cases in different regions. It is already known that mask wearing helps slows the spread of COVID-19 and also decreases a rise in COVID-19 cases, which has been proven in multiple studies. But because of that it is important to note the mask wearing policies are not the same in different regions around the world. Some countries in a region are more relaxed while some are stricter. This is why this research project is important. It is important to note the correlation between mask-wearing and COVID-19 cases. The project will be highlighting that finding in many different forms. This topic will also help show not just people but governments the positives and negatives of mask wearing. It will also help reinforce that mask wearing laws are essential to protecting your citizens and community from COVID-19.

These results illustrate how COVID-19 cases were low for regions that implemented strict mask wearing laws or even had more people wearing mask in general.