**Report Form on (Master’s/Doctor’s) Thesis Writing Progress**

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| Chinese name | 安多 | Student ID No. | 2019280016 |
| Supervisor’s name | 谢小磊 | Associate supervisor |  |
| Thesis title | Using every country’s COVID-19 data to create a composite index ranking their relative attractiveness for geographic supply chain diversification to combat the risk of a future pandemic outbreak. | | |
| Date of thesis proposal defense |  |  | |
| Expected final thesis defense date | Date of this form | February 4, 2021 | |
| Schedule of thesis writing: *Research Work – Additional Metrics / Own Rankings Generation* | | | |
| Whether proceed as planned: *Ahead of Schedule / Finished* | | | |
| The current progress:  The peak finding algorithm, interpolation, metric generation, statistical correlation testing, and index creation code is finished. This signifies the conclusion of the modeling and data analysis portion of the research. | | | |
| Problems and solutions:  After the peak finding algorithm was completed, everything went according to plan. I created a key point addition algorithm to improve the accuracy of the interpolations and added a clustering algorithm so an additional advanced metric could be generation. | | | |
| Research progress report:  The statistical testing and index generation is completed. Preliminary analysis of both the statistical testing and generated indexes appear to make intuitive sense while also providing enough parity for proper conclusions to be made. | | | |
| Plan of next step:  I will do a thorough review of the results of the statistical analyses and generated indexes. Then, I will begin the first draft of the research manuscript. Additionally, I will identify a real world case where I can either apply, or use to results of my research to critique, a geographic supply chain diversification decision. | | | |
| Supervisor’s/ The Training Committee’s comment: | | Signature: | |