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Xtern Data Science Conclusion

R and R Studios were used to organize and visualize the data from the Excel Sheet. The resulting graph is shown below. It can be concluded that most popular scooter locations are around the coordinates (0.25, 0.0) and (0.80, 0.75). It would take a total of 64,271 hours to charge all the scooter from their current power level to power level 5.

Also, as seen on the graph, the higher the scooter’s power level, the brighter the color of its data point. The best course of action is for the bus to travel first to position (0.25, 0.0), then to position (0.80, 0.75), collecting scooters within those radii that have power levels from 0 to 2. This is a fair plan since it takes a long time for scooters with low power levels to charge, the bus can not travel fast, and there is only one bus available. This plan is an efficient and effective way to increase the company’s output while being mindful of our finite resources.

