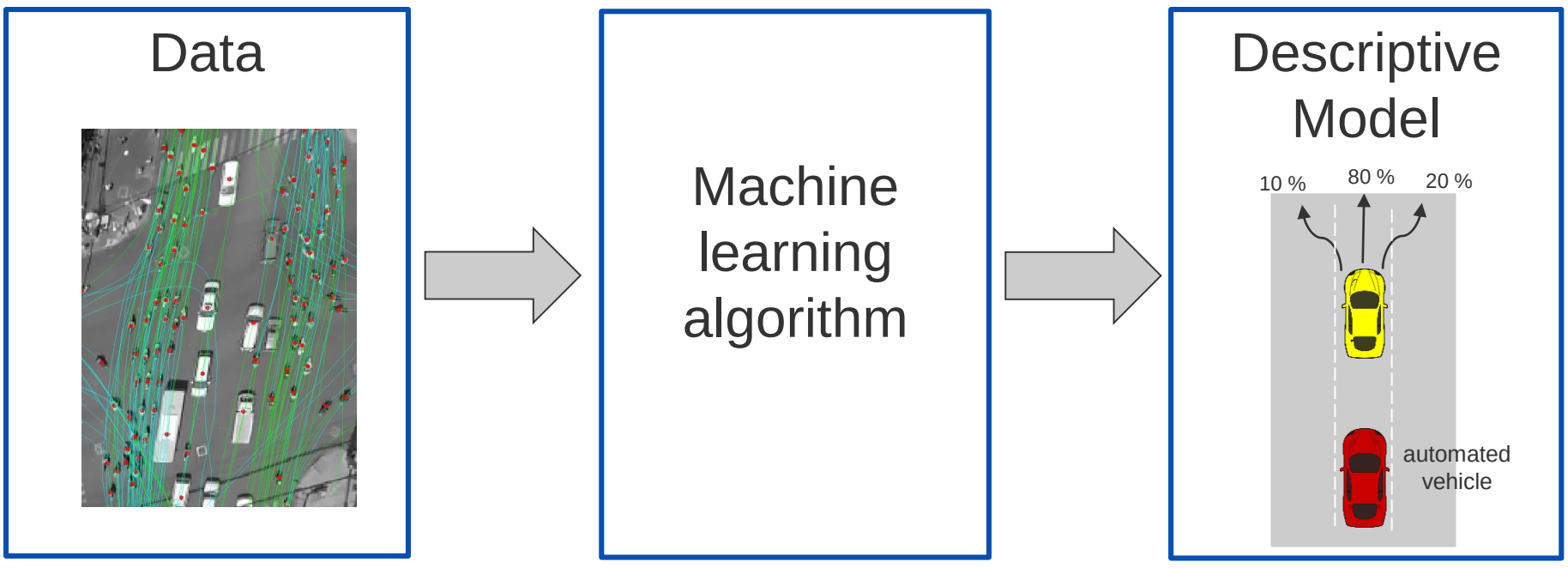
Data Mining and Machine Learning for Modeling Driving Behavior

Automated vehicles are still in the development phase. Our team develops solutions for highly automated vehicles. These solutions are based on driver models generated by data mining and machine learning algorithms that transform massive amounts of vehicle trajectories into descriptive knowledge about the drivers' behavior and their interactions with other road users. This will help automated vehicles better estimate the actions of human drivers and drive more safely.

For this reason, the videos has been recorded from real traffic and the trajectories of individual traffic users has been extracted. Your task would be coming up with an algorithm which can change the data to a model that describes the drivers' behavior.



Requirements:

- Interest in development of automated vehicles
- Experience in both the theory and practice of machine learning, data mining, algorithms, statistical and pattern recognition.
- Strong programming skills
- Dedicated, systematic and self dependant work attitude

If you have any further questions regarding this project, feel free to contact me.
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