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Topic: How data is extracted and used for creating paths in an unknown enviroment.

Main source: https://ieeexplore.ieee.org/document/678626

Other sources: https://ieeexplore.ieee.org/document/9551175
https://ieeexplore.ieee.org/abstract/document/8814089
https://ieeexplore.ieee.org/document/8500471
https://ieeexplore.ieee.org/document/9828892

This paper is focused on how data from the enviroment is extracted using sensors that are on autonomous vehicles, such as LiDARS or monocular cameras, and then how they use this data for creating the best possible path in the enviroment. How such data is processed through algorithms like SLAM (Simultaneous Localization and Mapping) and explain how they map out their surrounding and create a path. It'll also point out the different problems with data extraction and usage in creating paths without running into obstacles, and how these can be addressed.