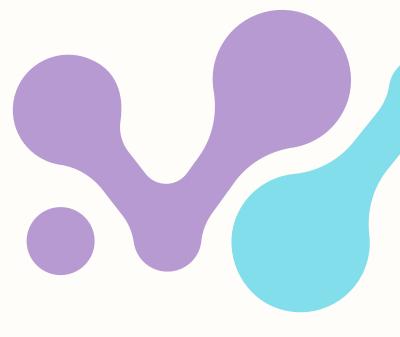


RESEARCH PRESENTATION



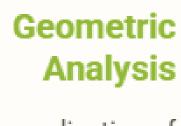


Presented by Pixel Pioneers



Introduction

Automated Roundabout Detection System



The application of geometric principles for detection

Graph Theory

The use of network analysis for roundabout detection



The complex shapes and angles of roundabouts



The traditional method of roundabout detection

Time-Consuming Process

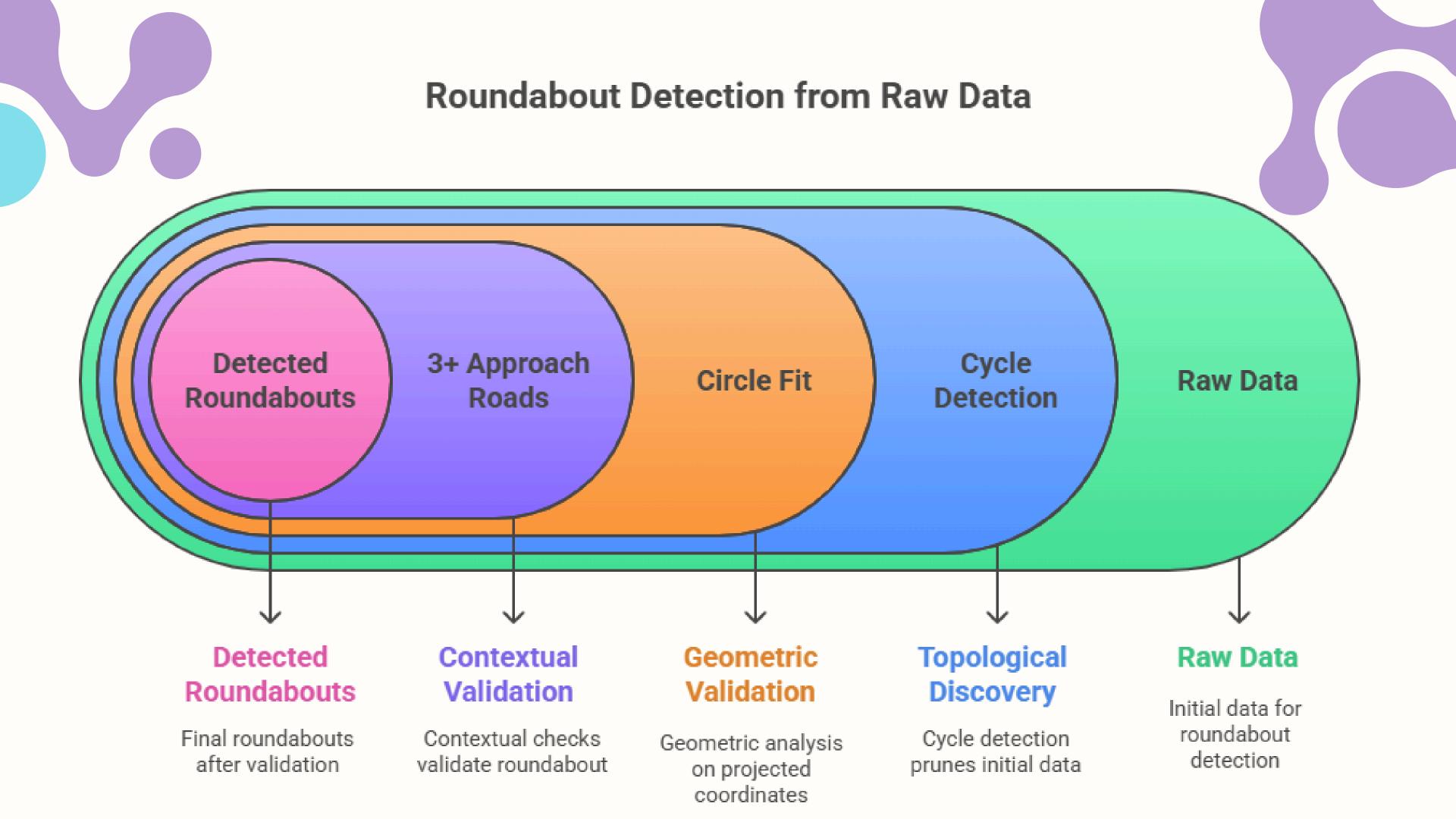
The lengthy duration required for manual detection



The errors and inconsistencies in manual data

بثبع







Future Research



Enhanced Navigation:

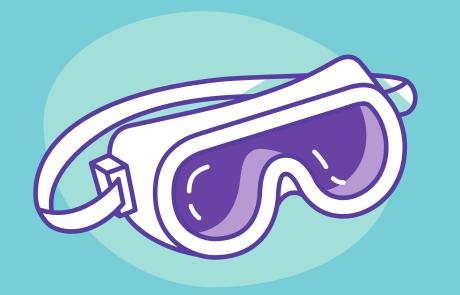
Provides highly accurate routing for all vehicles, especially crucial for complex maneuvers and larger transport.

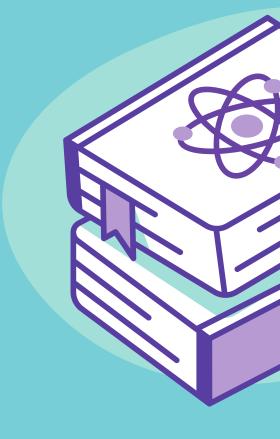
Dynamic Mapping:

Offers the potential for seamless integration with real-time data streams, facilitating adaptive, continuously updated maps.

Autonomous Systems:

Delivers foundational geospatial intelligence essential for the advancement and safety of selfdriving vehicles.





THANK YOU

