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adoption of telematics in the commercial auto market? industry has been hampered by antidotal failure concerns leaving much of the responsibly to risk management recommendations for fleets "to do the right thing." Lack of data has prevented progress!

Why no ubiquitous





WE ARE IN A NEW ERA AND THE EVOLUTION HAS BEGUN azūga. We are the forefront of a significant evolution in the commercial auto insurance market InsurTech 2.0 Direct to customer did not have much appeal in commercial auto More specialty understanding More adaptive sales models Bigger focus on data Carriers like Philadelphia insurance have been at commercial auto telematics for 8 years Philadelphia forced other carriers to start looking telematics Adoption was poor Not enough specialty knowledge Timing was an issue Learned much from InsurTech 1.0 Timing is right Some top 20 carriers have been engaged in data projects for many years now, focusing on pricing and segmentation using telematics Multi-TSP data ingestion and harmonization is aiding in rapid advancements Telematics value proposition is much stronger than it was 4 years ago New commercial auto scoring and rating products, e.g., Milliman. 8









































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Getting started

Telematics pilot

Claims/crashes

VIN matches with TSPs

Sample size to build vs. validation/buy

Gather data

🖬 Milliman











	TSP 1	TSP 2	TSP 3	TSP 4	Start simple
Frequency	20/sec	1/sec	1/min	1/5min	To:i bisbos
GPS	×	x	×	×	information scores to
Odometer	×	×			lower levels of information
Events	×	x		×	
Engine log	x	x			Hierarchical score framework
Grain	Raw	Raw	Raw	Summary	
Sampling	Static	Dynamic	Static	Dynamic	Ensembling framewo
Etc					

Answer these questions Does your group have internal capabilities to create and connect to a multitude of APIs? Have you designed data intake with automatic retries and	Define and create data layers. Raw data should
Have you designed data intake with automatic retries and	possible
audits features to help diagnose problems?	Process the data in stages and be able to resume
Do you have raw storage capabilities for terabytes / petabytes of information? Do you have a query engine that can scan at high enough speeds for this scale?	Have query controls. Runaway queries can cost \$\$\$\$ If you are unsure how to
Do you have distributed processing that auto scales and does not compete for resources with other services?	proceed, find some help. People are out there expert in these problems













