

Focus+Context displays for exploring video-linked, time-series data

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Exploring long videos of human behavior with interactive objects is **tedious and time consuming**.

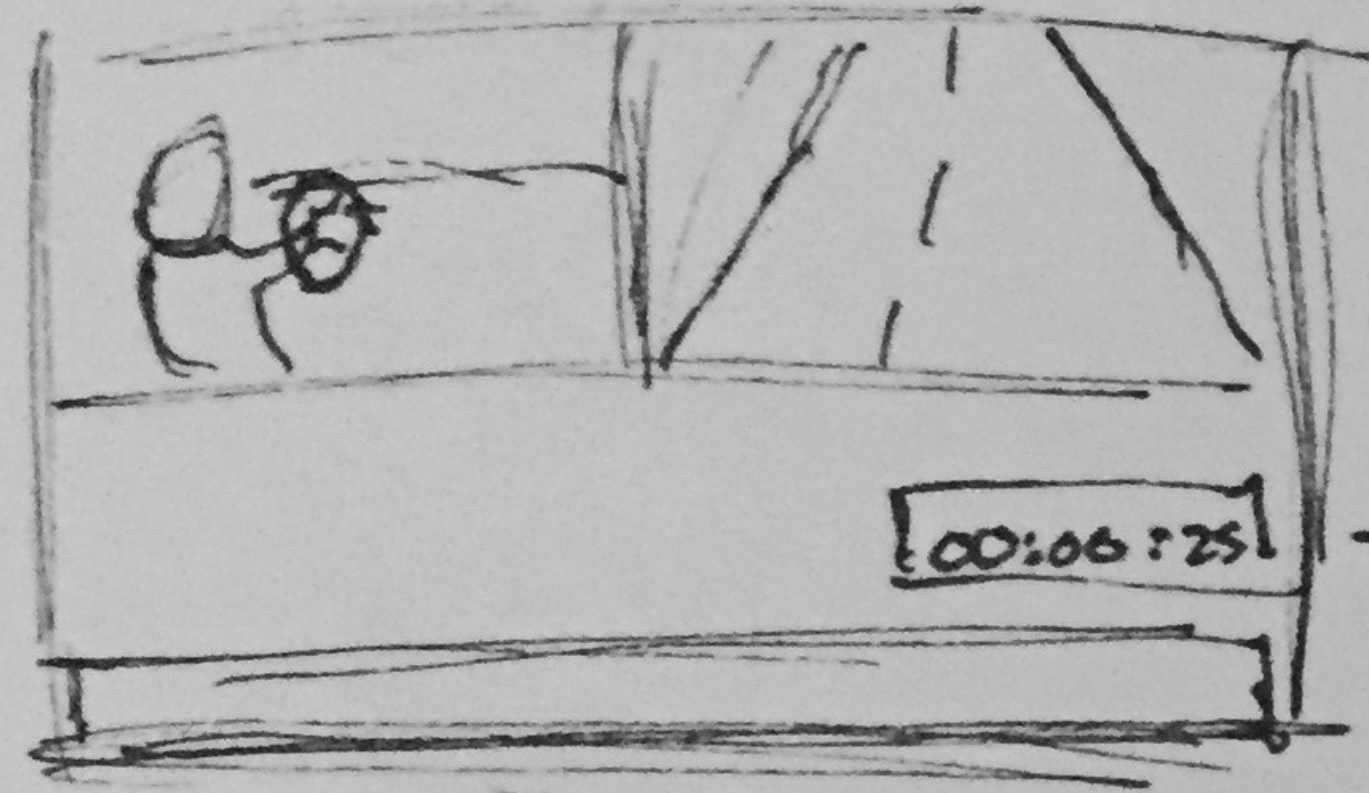
Being able to **focus on areas of video with high amounts of interesting interaction** can allow viewers to more quickly analyze detailed video.

Using machine generated interaction data we can **automatically highlight and focus on areas of interest** and **dynamically adjust video speed**.

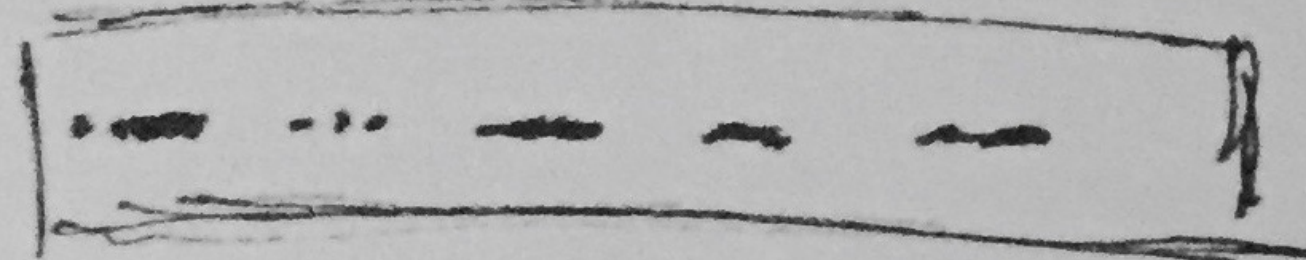


Adam Fouse, Nadir Weibel, Edwin Hutchins, and James D. Hollan. 2011. ChronoViz: A System for Supporting Navigation of Time-coded Data. CHI '11 Extended Abstracts on Human Factors in Computing Systems, ACM, 299–304. <http://doi.org/10.1145/1979742.1979706>

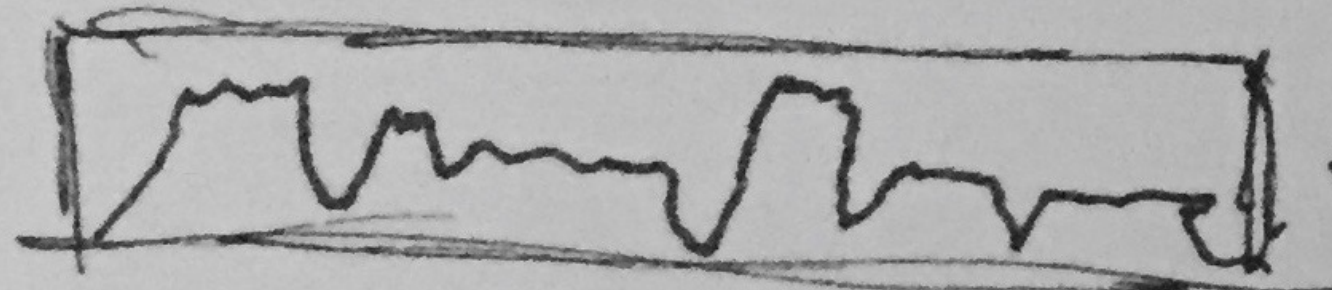
PROJECT INTERFACE IDEAS



VIDEO
— time code?



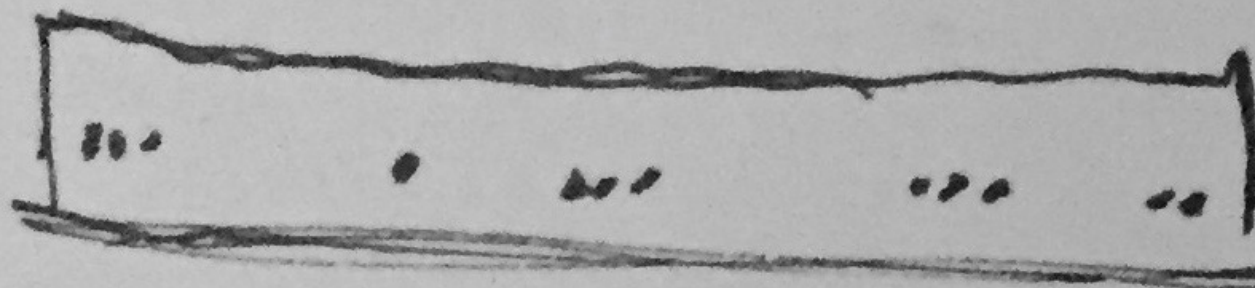
QUESTIONS



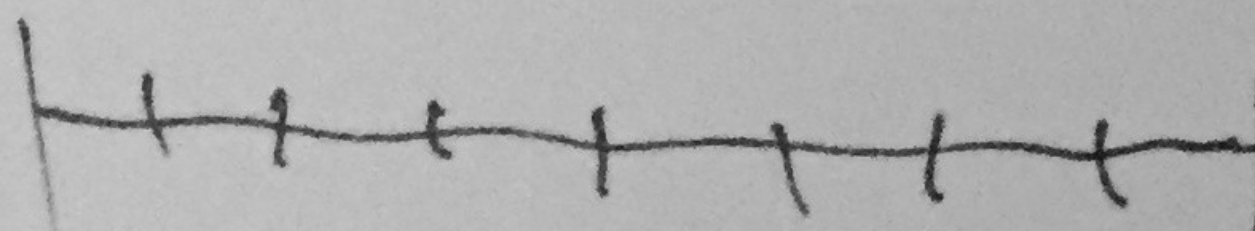
SPEED



ICC ENABLED

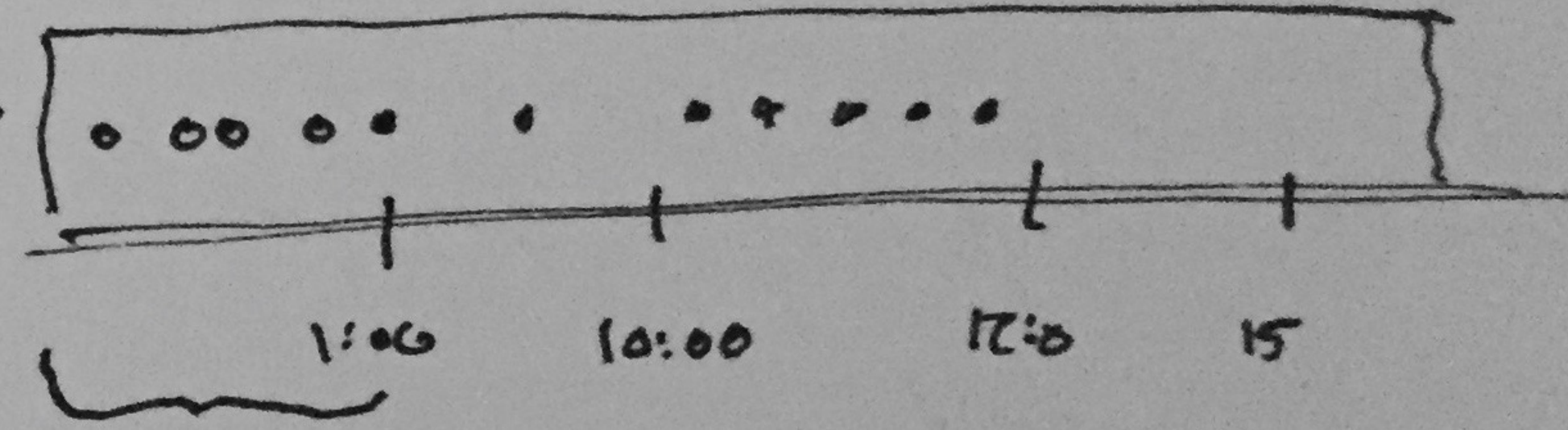


BRAKING

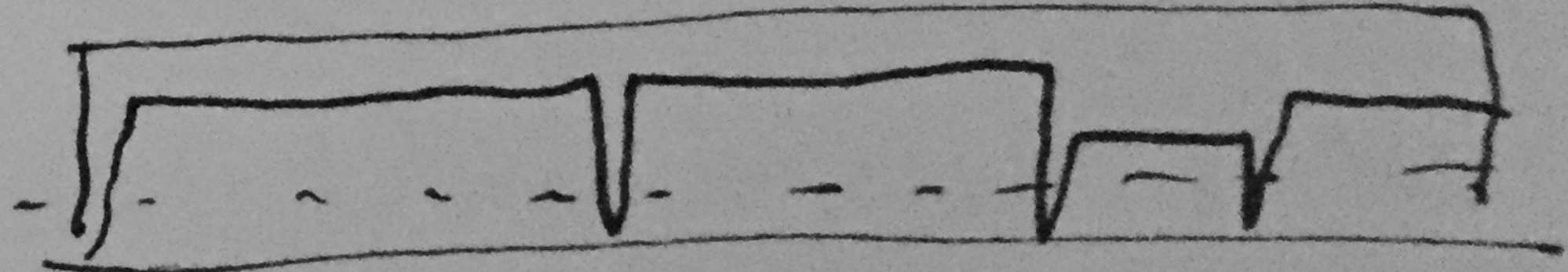


linear time scale

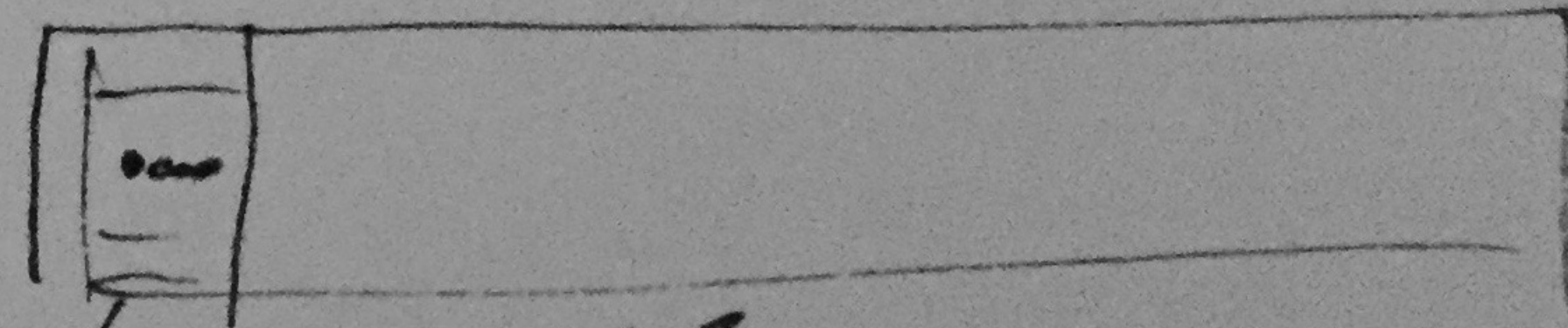
WARPED SCALE



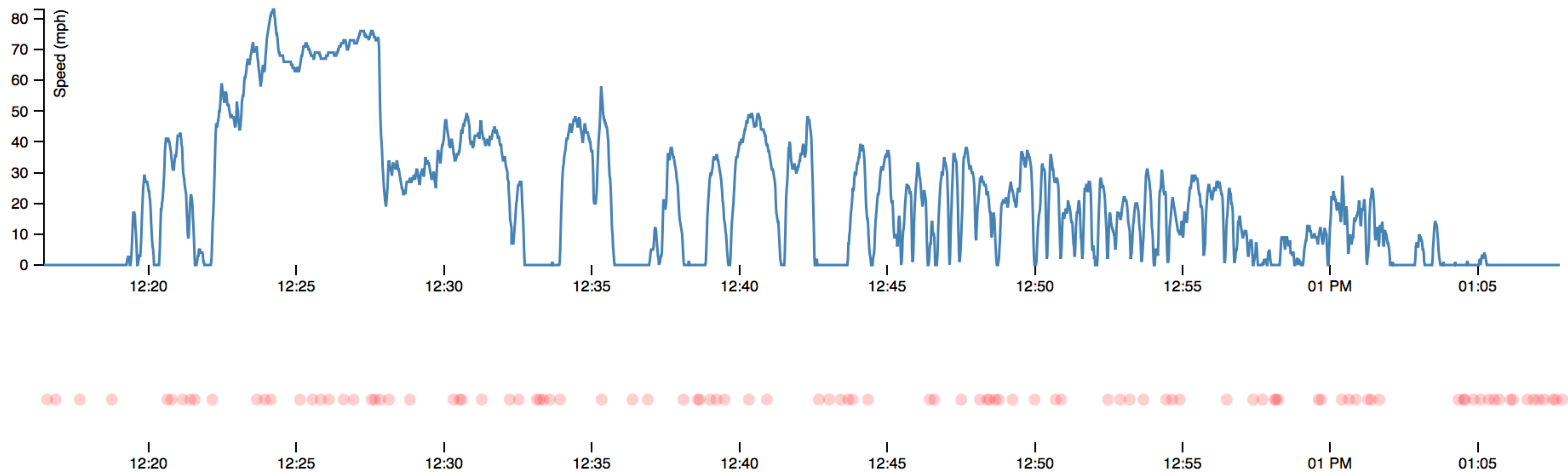
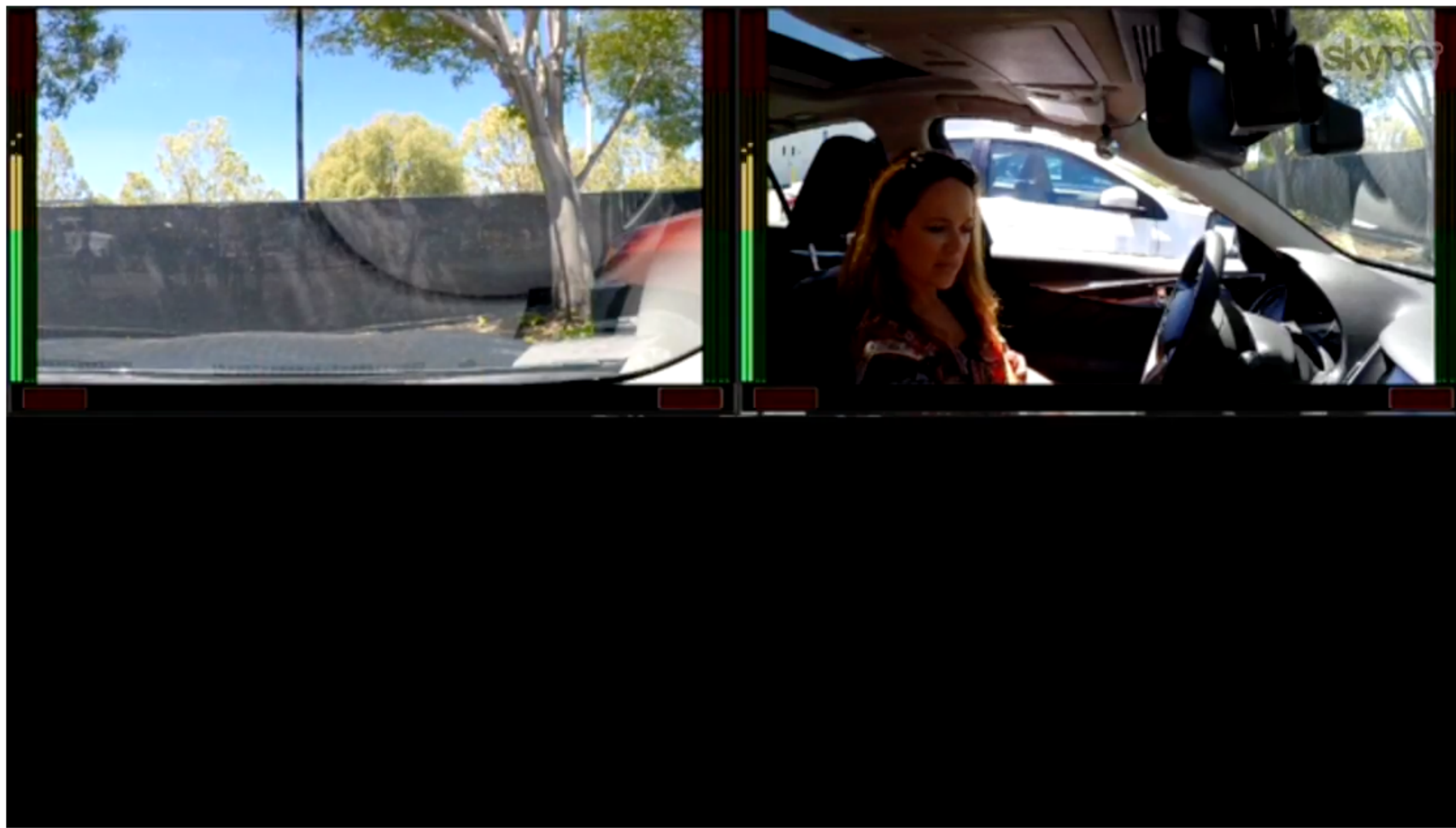
Allows more detailed view of grouped interactions



Can highlight interest events like speed above a certain point



could highlight & warp





1. How should users interact with the data?
2. What other design approaches would be interesting to explore instead of focus+context or distorted views?