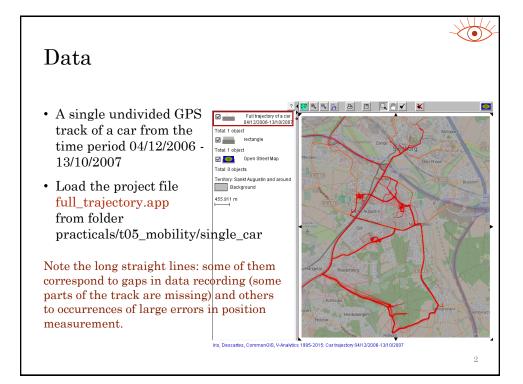
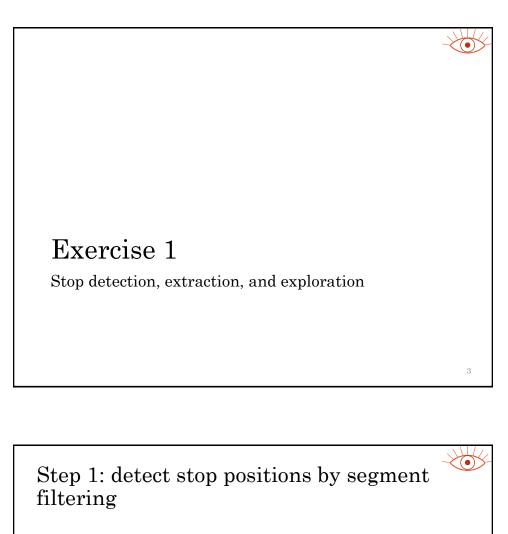
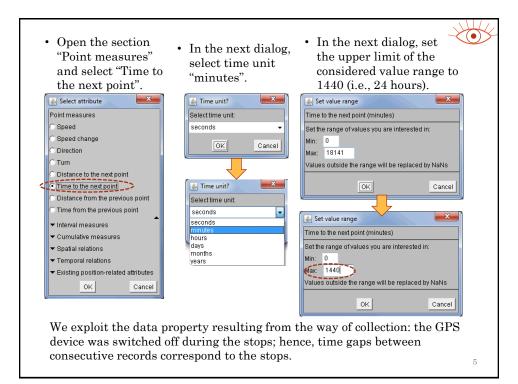
Module INM433 – Visual Analytics Practical 05 Interactive visual analysis of mobility data (trajectories) given by prof. Gennady Andrienko and prof. Natalia Andrienko





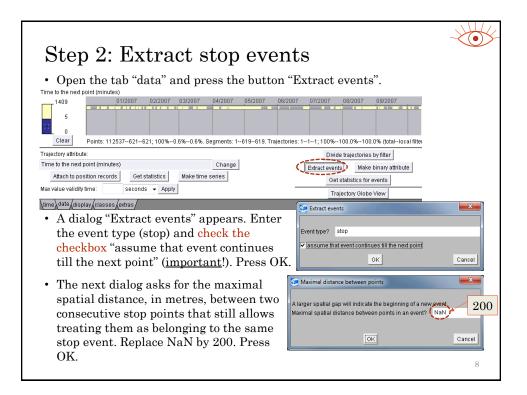
- Open the Timeline view of trajectories (menu "Display")
  - The display contains a single bar representing the car trajectory.
- Open the tab "data". Press the button "Change" on the right of a text field labelled "Trajectory attribute:". A dialog "Select attribute" appears.

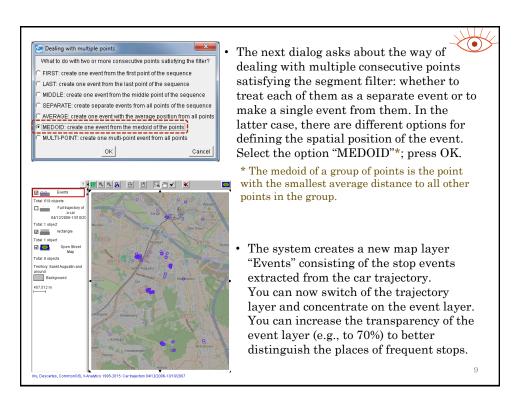
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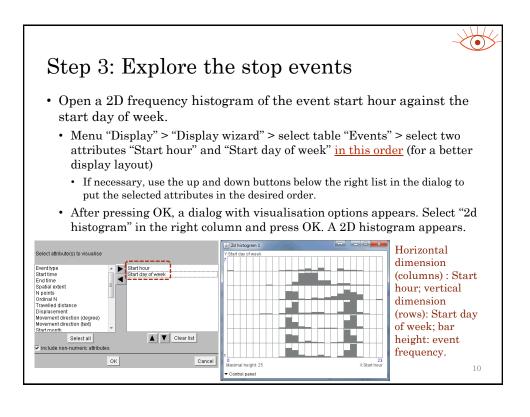


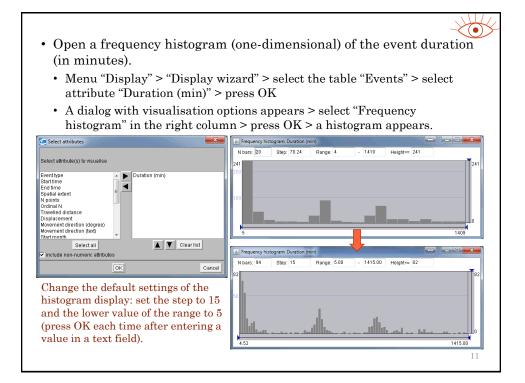
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• Set the class break to 5 minutes and apply segment filtering: filter out the segments where the time between positions is less than 5 minutes. For this purpose, click on the coloured rectangle representing the lower class in the interactive legend on the left of the plot area. Time to the next point (minutes) 03/2007 04/2007 05/2007 06/2007 07/2007 08/2007 09/2007 1409 01/2007 02/2007 Π Points: 112537--621--621; 100%--0.6%--0.6%. Segments: 1--619--619. Trajectories: 1 Clear ✓ Value classes Breaks: 0 (5 **—** Dynamic update time data display classes extras Observe the effect of the segment filtering on the map.









- Explore the times and durations of the stops in the different places of stop event concentrations. Utilise the dynamic linking between the displays.
  - Put the "check" button (✓) above the map in the sunken state and select a group of stop points on a map by mouse dragging (the map layer "Events" must be active; if not, click on its name in the legend). Observe the distributions of black bar segments in the 2d and 1d histograms.
    - To uncheck, double-click on a point-free location in the map or press button 💌
- Try to guess the meanings of the places based on the stop times and durations.

