

# How the Spatial Video Geonarrative Analysis works



Let the participant pick the route and narrate their neighborhood (1). Download the video files from the cameras. We stitch the files together. Then the file is automatically displayed with synced image, map and transcribed narrative in our *SVG Explorer* (2). Follow the video on the map (2a), and the text scrolls as well (2b). Go to any part of the SVG by clicking on the map or text.

**The Spatial Video Geonarrative (SVG) Workflow**

- 1: Collect the SVG
- 2: Download and visualize in SVG Explorer which syncs the GPS path, video image, and automatically transcribed narrative together
- 2a: Link to anywhere on the SVG by progressing the video, clicking on the map, or selecting text
- 2b: Download the narrative
- 3: Complete a virtual re-ride of the SVG to correct the text, add in key images, identify key spatial locations to map.
- 4: Map out key locations in Google Earth for ease of dissemination with the collaborating team (2b -- optional): Replace the corrected text, add new insights and locations with a second virtual SVG
- 5: Use *Wordmapper* for a more detailed qualitative analysis
- 6: Use a GIS for production cartography and analysis of key locations across multiple rides

Rewatch the SVG to correct / verify the transcription and add in screenshot images / places (3). Map key locations in Google Earth or a GIS (4 & 6) and add in key text as attributes. Produce summary documents on topics such as disaster recovery, blight, food access, asthma risks, overdose locations. More advanced analyses includes using our *Wordmapper* software to search for themes or geographic patterns (5). Overlay multiple rides to gain different perspectives on the same space, or see how different SVG topics intersect. Use the revision option in SVG Explorer to add in your insights to the ride, or create another virtual SVG of the same route with another participant.

*Capture* the institutional knowledge of a city health inspector monitoring a blighted block.

*Understand* the challenges faced by residents in accessing healthy food options.

*Gain insight* into why multiple overdoses occur on the same block.

*Tell the story* of what happened during the wildfire, and then during the "recovery and rebuild".

*And then map those findings*