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JLC-445
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Project 6: Space

Part I: Series Analysis

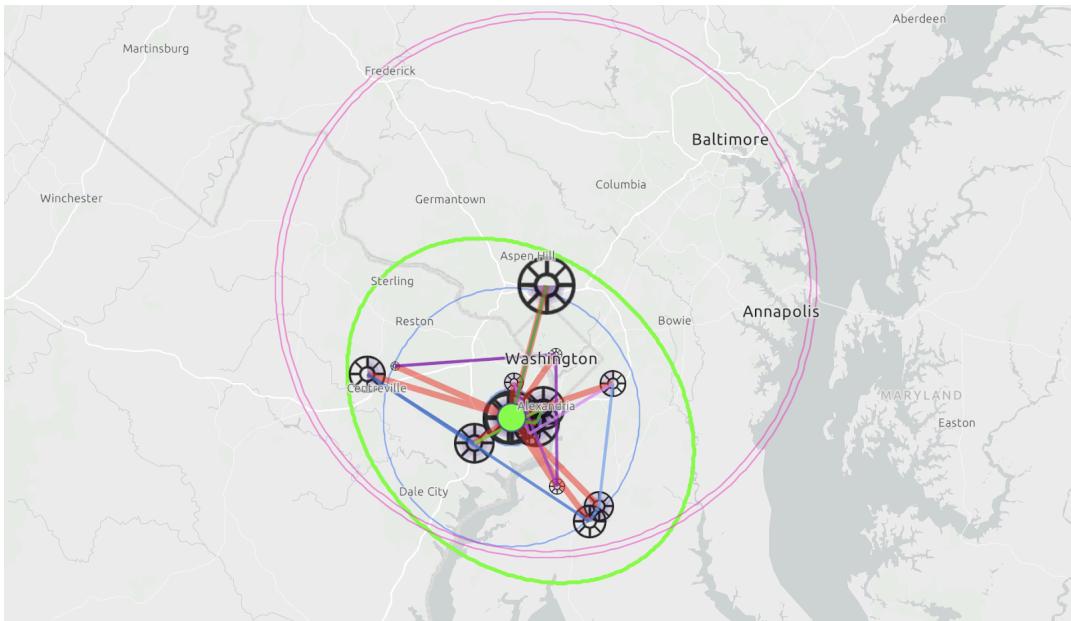
1. Ellipse: The ellipse informs that 95% of this crime scene has occurred within Washington, DC and surrounding areas in Maryland and Virginia. When observing the analytic symbology, there are both large points on the ellipse edges and center. The robberies are relatively stable because the Beltway Bank Bandit continues to commit new crimes both in the center and on the perimeter of the ellipse.
2. Hunting Grounds: When observing the hunting grounds, one large hunting ground is at the relative center of the ellipse stretching from Franconia to Alexandra. This can be considered the Beltway Bank Bandit's home base where they have committed 5 robberies within this hunting ground. When the Beltway Bank Bandit leaves this home base, new hunting grounds emerge along the perimeter of the ellipse, with each representing only 1 to 2 robberies. This means they will repeatedly commit robberies at the home base but rarely return to the same location along the perimeter of the ellipse.
3. Sequence and Spider Lines: When observing the sequence, the Beltway Bank Bandit will return to the home base numerous times, but each time they leave they stretch the boundaries by committing a robbery in a faraway location near the perimeter of the ellipse. The increase in distance from the home base and centroid over time is visualized by the length of the spider diagram's lines. By attempting to be unpredictable and continuously committing robberies further from the home base, they actually develop a pattern of creating new hunting grounds that stretch the series further from the centroid.
4. Micro Site Analysis: When observing the locations of robberies, they all occur near a highway, whether it is a state route or interstate highway. Seven of the events have occurred in close proximity to Interstate 495. I-495 is known as the Capital Beltway, which explains how the Beltway Bank Bandit got their name.

Part II: Visuals

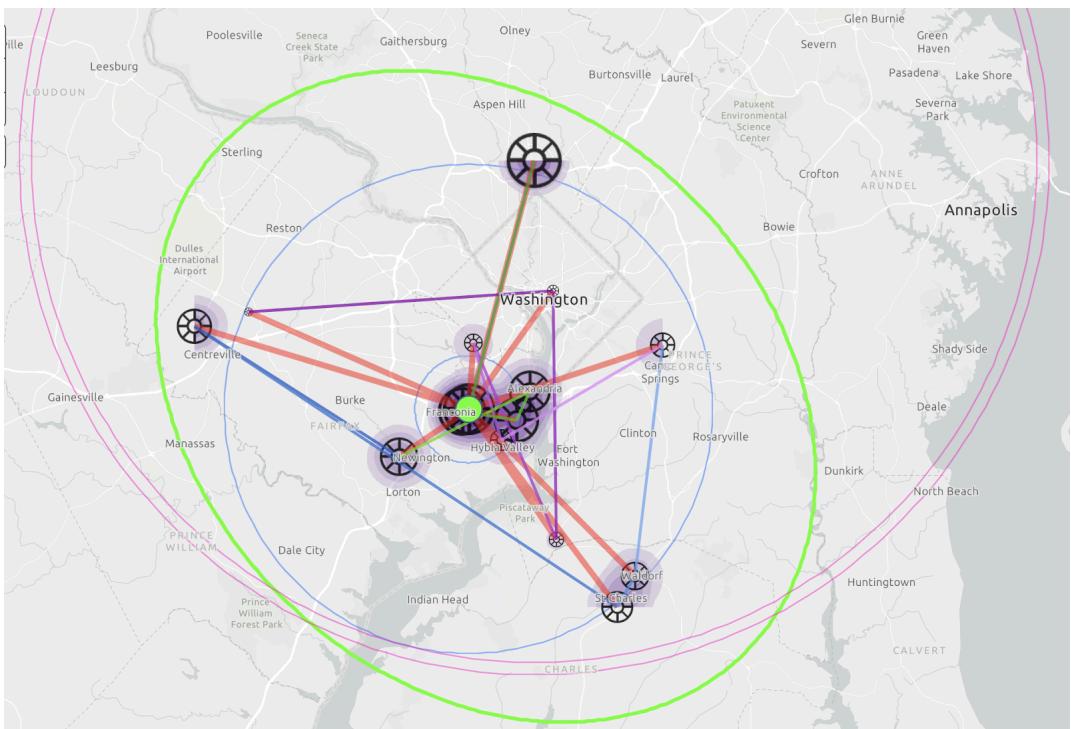
Google Sheet of Event Data: [!\[\]\(529949c2c3dadbaa4e538e8c643454bc_img.jpg\) Project6_MelanieKlein](#)

Map in ArcGIS: <https://arcg.is/0T8Tir>

Map 1: Analytic Calculations



Map 1: Zoomed in so the hunting grounds are visible



Map 2: Aerial Imagery of Predicted Area

Area in and around Georgetown Village with banks that match the profile

