





Figure 3. Bivariate visualization (value x size) used for the depiction of value and uncertainty in a single map sign.

Users were asked to identify a single value or uncertainty level of the selected sign (six tasks) and then a combination of both variables (value and uncertainty together, six tasks). The final section was focused on the ability of users to identify not only a single sign but also a simple pattern. We marked four areas on the map and asked the users to choose the area with a specific spatial pattern (least certain with high values, fig. 4).

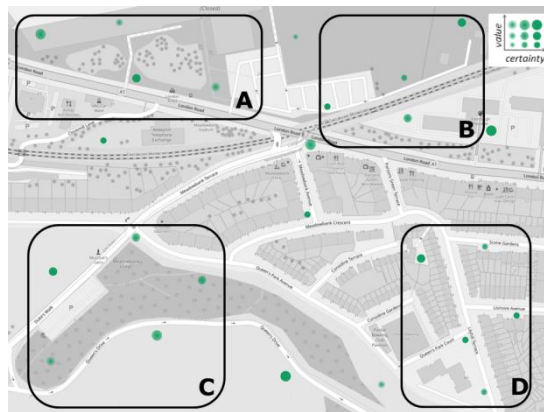


Figure 4. Identification of a specific spatial pattern of value and uncertainty.

The Czech part of the testing is still going on, however, the preliminary results (70 participants) from China confirm the high intuitiveness of both value and fuzziness and low performance of orientation. The results for a map composition and bivariate visualization are pending and will be presented at the conference.