



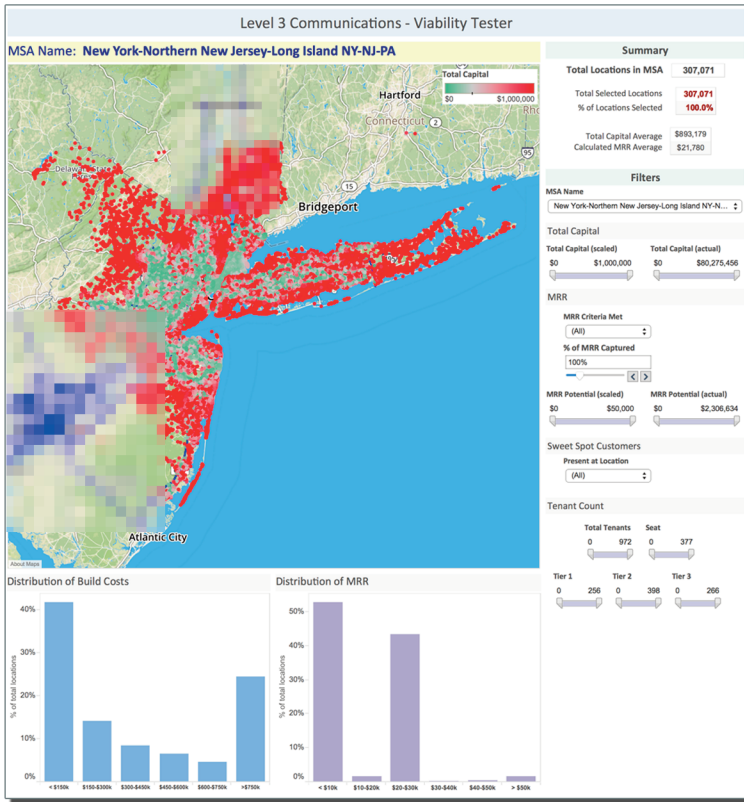
CLIENT: Level 3 Communications
 PROJECT: Broadband Investment Viability

THE CHALLENGE

With investments totaling around \$1.6 trillion since 1996, the broadband industry is a core component in capital investment spending, contributing to the overall health of the U.S. economy. Emprata worked with Level 3 to identify strategies to identify viable broadband customers through the use of advanced analytics, data visualization, and data dashboards.



OUR SOLUTION AND RESULTS



As part of this project, we developed a Viability Tester, which visualizes viable business locations based on tenant count, monetary rate of return, and total capital investment required for buildout.

Emprata supported Level 3’s internal assessment of the FCC’s Special Access Data Collection, which included millions of records of geospatial data from across the country. We provided data management, data engineering, geospatial data processing, data visualization, and advanced analytics support. We also developed unsupervised machine learning algorithms (e.g., clustering) to identify cases of special access broadband price gouging and fraud.