Real Estate Analytics Through Web Scraping

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This project focuses on developing a web-based analytical platform tailored to the needs of the Georgian real estate market. The platform addresses the lack of advanced analytical tools available to real estate agents in Georgia by providing a data-driven solution that leverages web scraping techniques.

The core idea is to collect and process property data from various Georgian real estate websites. Using automated web scraping, the platform gathers raw data and transforms it into actionable insights. These insights include price trends over time, identification of areas with low property prices, seasonal price patterns, and detection of high-demand locations.

The solution is based on web scraping algorithms and data processing methodologies that extract, clean, and structure real estate data. Technologies used in the project include Python (for web scraping and data processing), along with visualization libraries for creating interactive charts and heat maps.

The end product is a user-friendly analytical interface that supports informed decision-making for real estate agents, helping them optimize strategies and better serve their clients.