



LIVE ECONOMIC DATA SONIFICATION

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PROJECT SUMMARY:

Economics is often presented through graphs, charts, and numerical tables that presume a narrow form of visual and cognitive literacy. While these tools are efficient for trained audiences, they unintentionally exclude individuals with visual impairments, dyslexia, dyscalculia, and others who experience difficulty engaging with conventional data representation. This project reframes economic accessibility as a design problem rather than an intellectual one. This project develops an accessibility-focused digital tool that translates macroeconomic data into sound-based and interactive visual experiences. Rather than treating data sonification as an aesthetic experiment, the project positions it as a functional method for economic interpretation, integrating auditory and alternative visual cues into a publicly accessible web platform. Users will be able to explore economic indicators through non-graph-based interfaces, allowing for multiple modes of engagement with the same underlying data.

Through iterative prototyping, coding, and design experimentation, the project challenges the dominance of static graphs as the primary language of economics and proposes a more inclusive framework for economic communication. By expanding how economic information can be perceived and understood, this work aims to lower barriers to entry, foster curiosity rather than intimidation, and demonstrate how creative technologies can play a critical role in democratizing economic literacy.