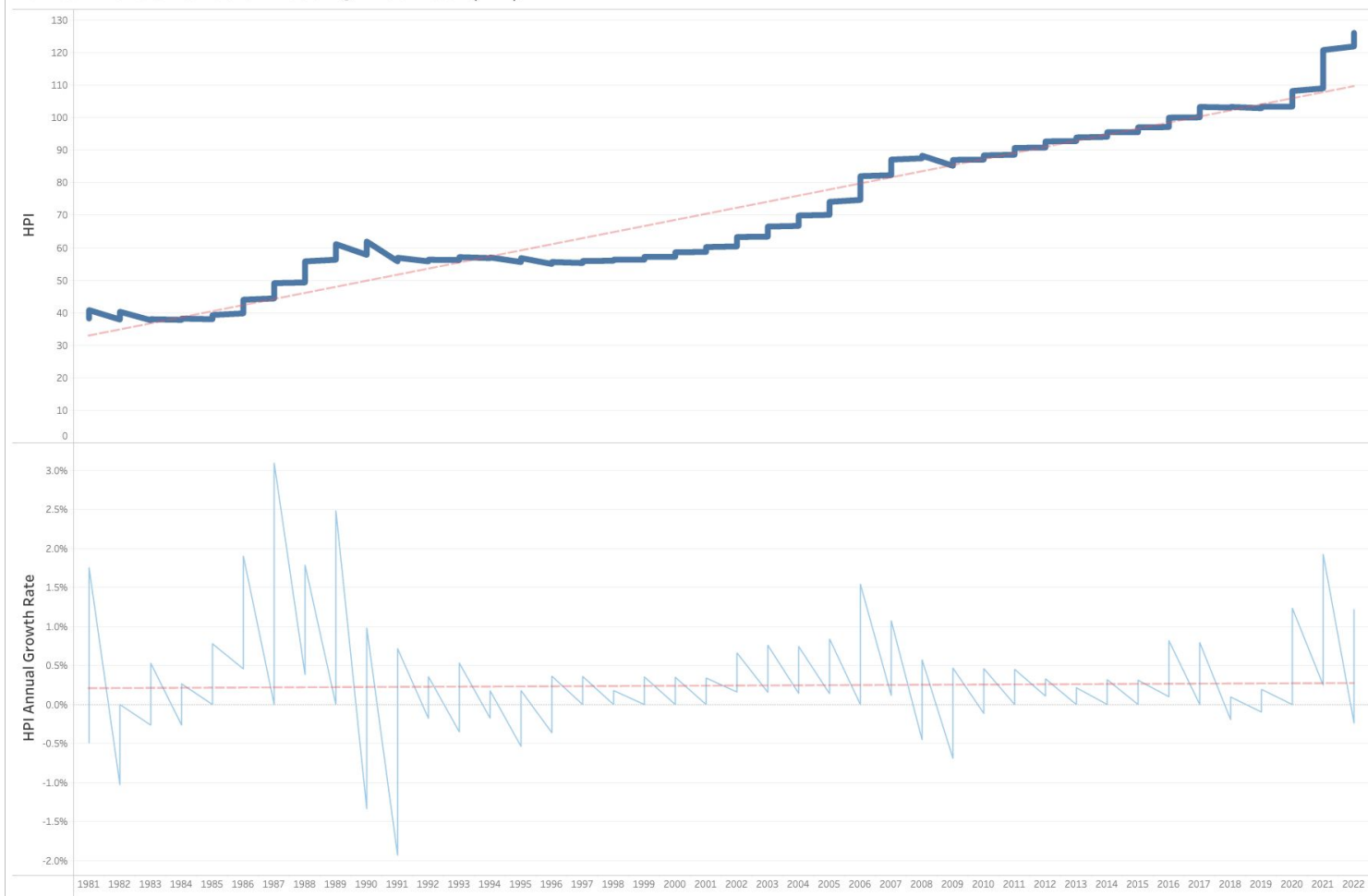


The Canadian Housing Market

A Visual Analysis Autopsy

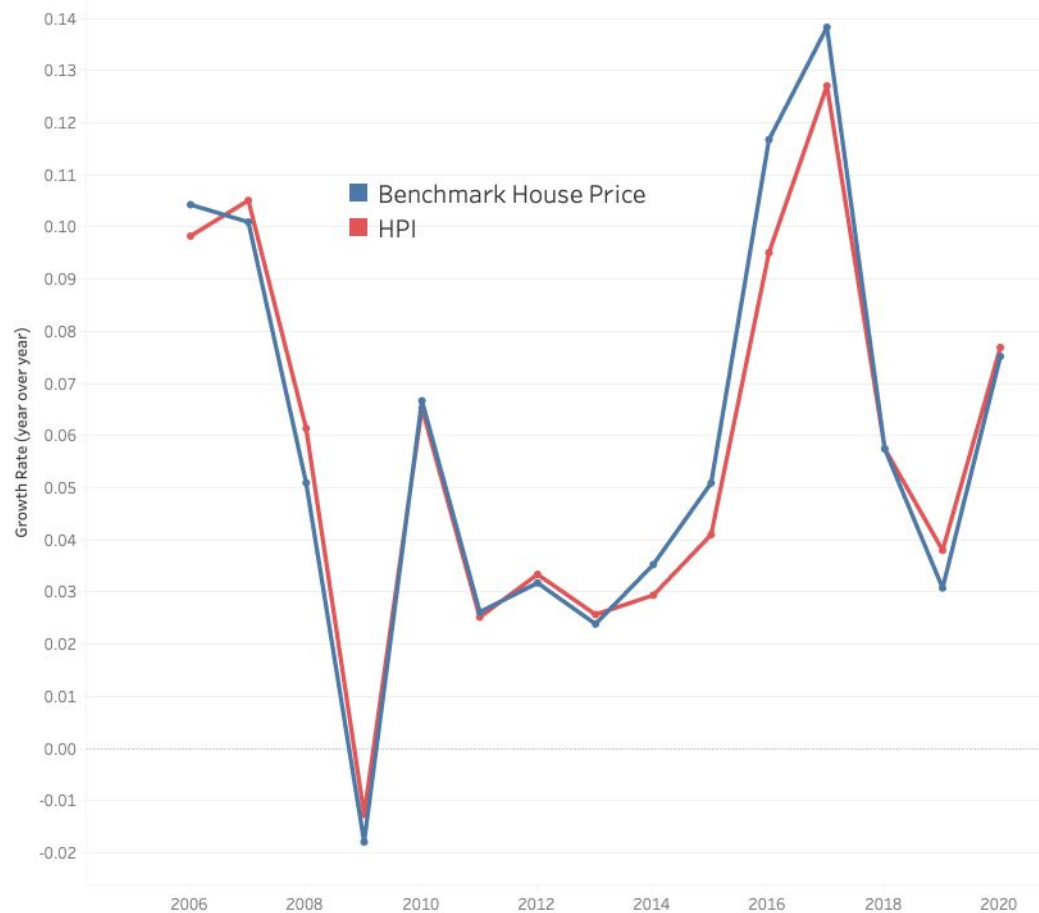
How has the Housing Price Index (HPI) trended in the last 40 years?

40-Year Trend of Canadian Housing Price Index (HPI)



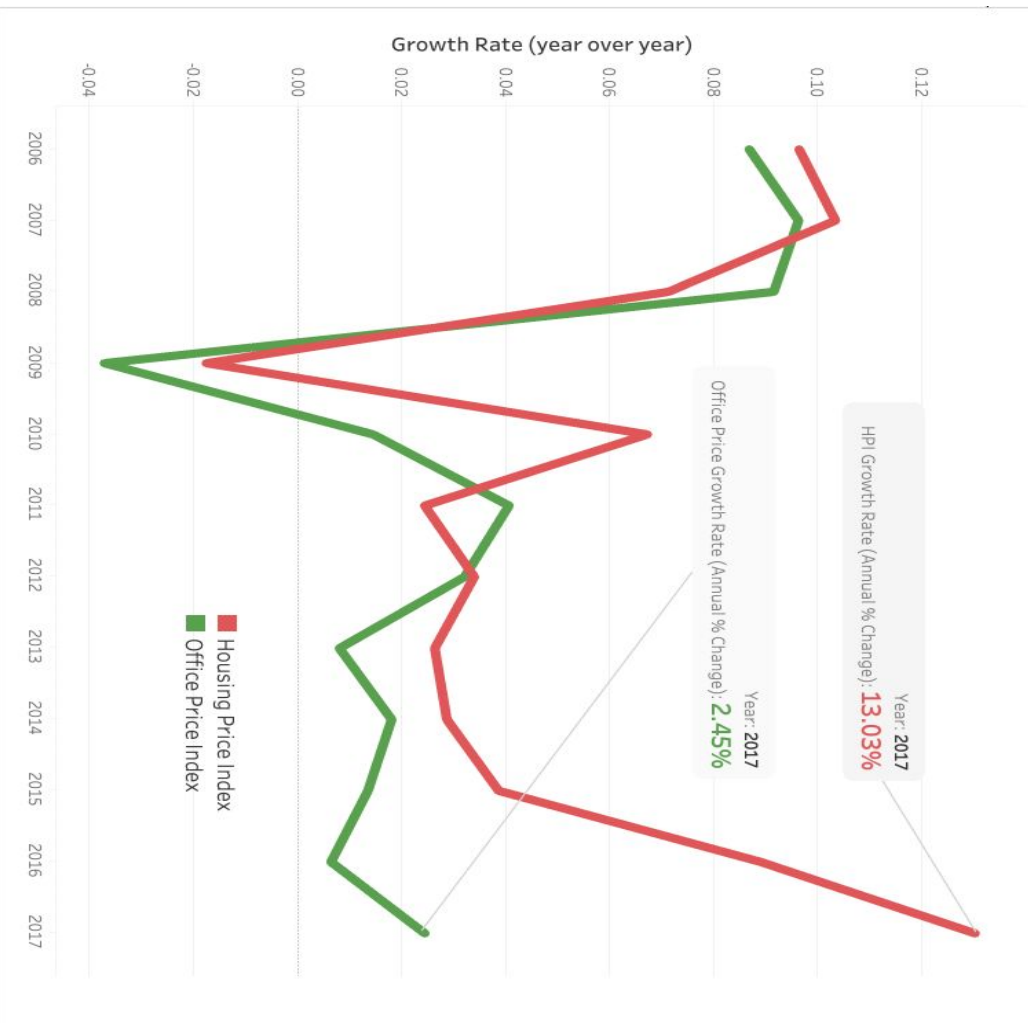
How does HPI compare with
benchmark housing prices?

Growth rate of benchmark price of Canadian house vs HPI



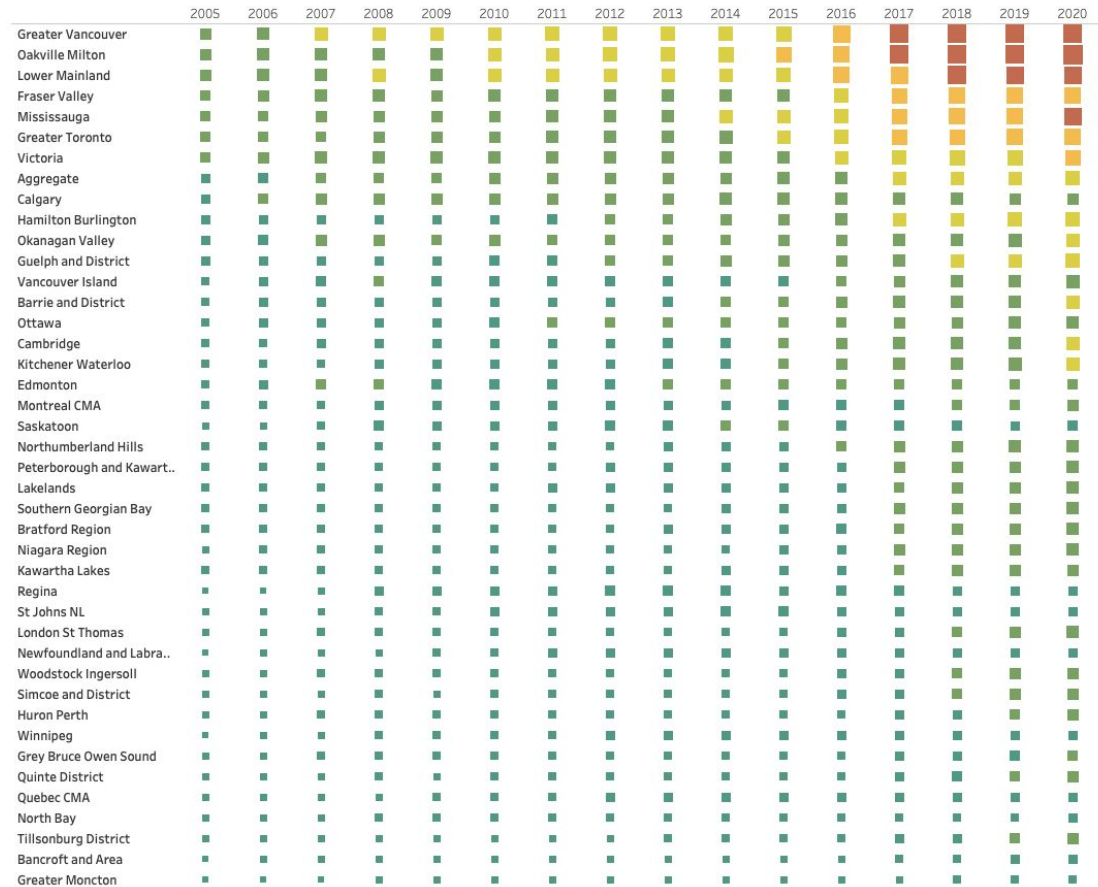
How do office price trends
compare to housing prices?

Comparing growth rate of Residential and Office realestate indices



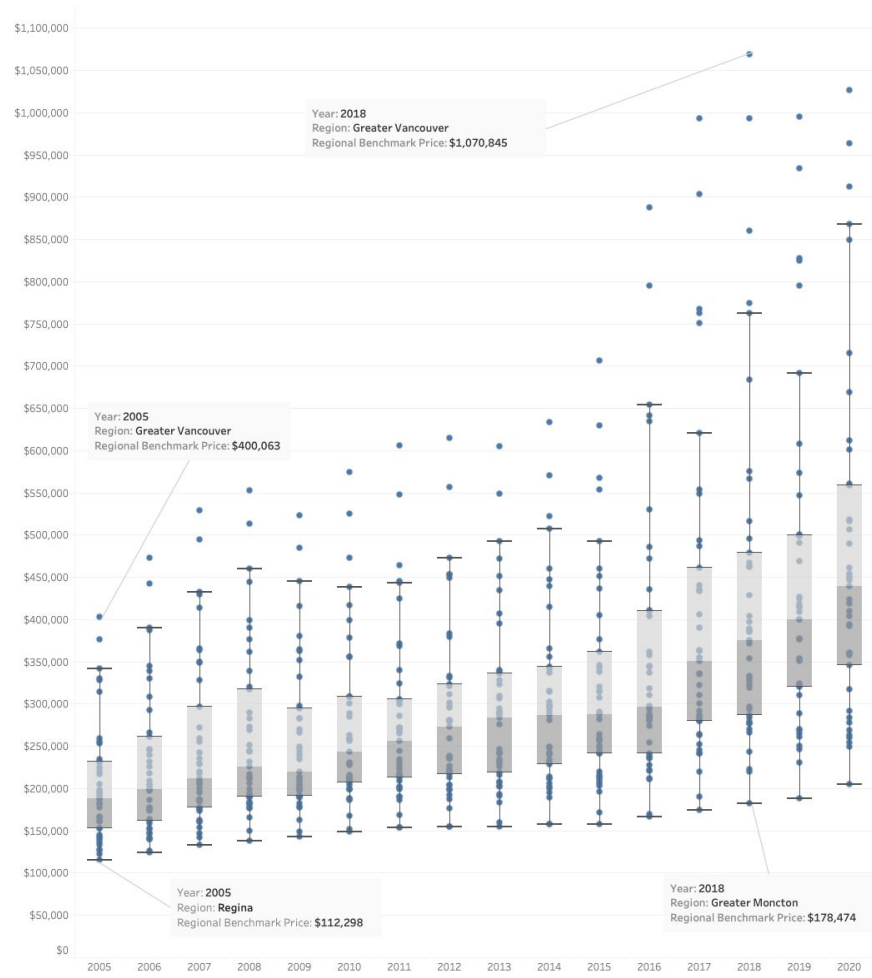
Are there disparities in housing
costs between regions? (lol)

Heatmap of Benchmark Housing Prices By Region and Year



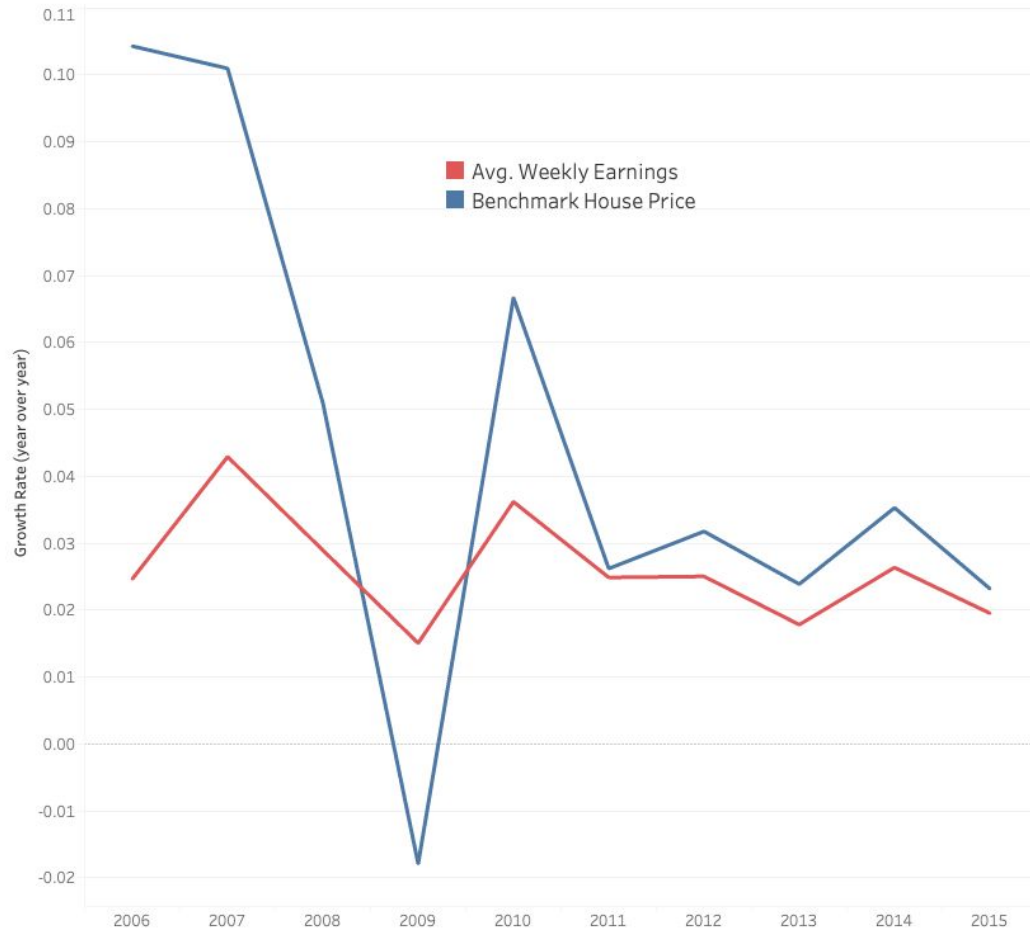
How is regional price disparity
trending?

Variance of Benchmark Housing Price By Region and Year



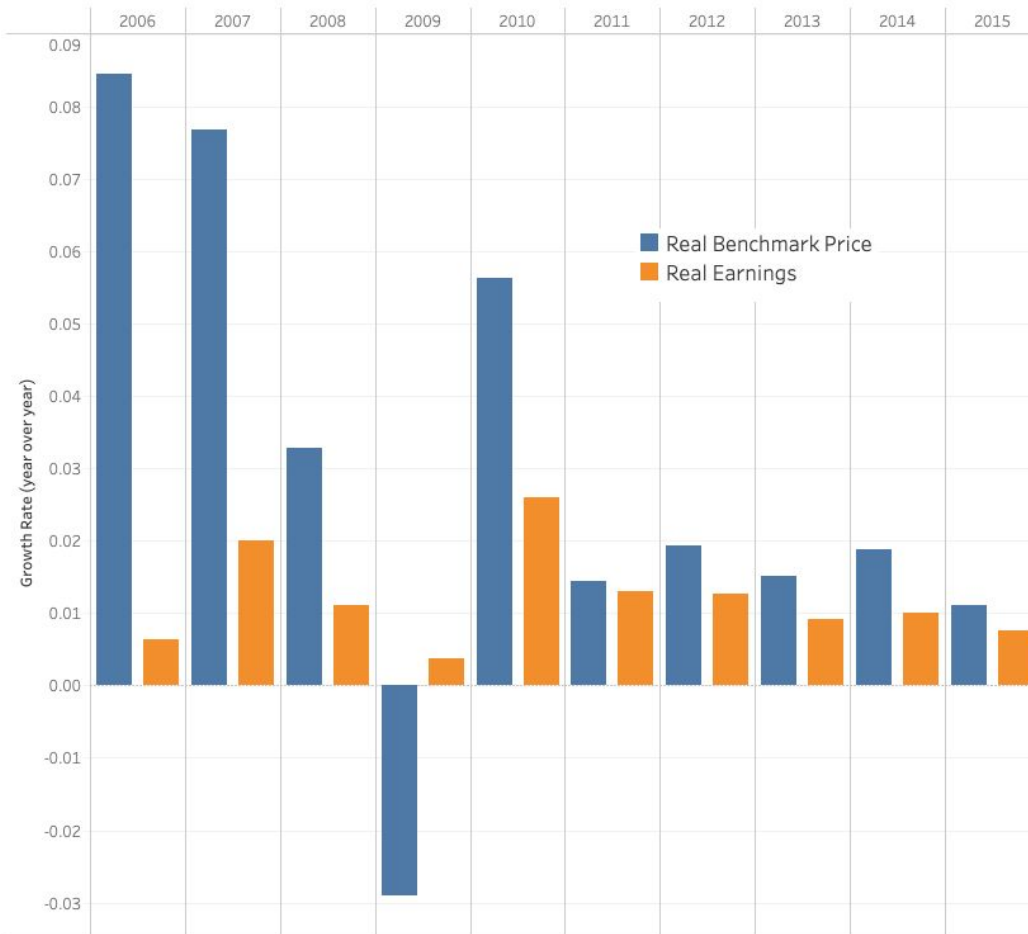
How do trends in earnings
compare to housing costs?

Growth Rate of Benchmark Housing Price vs Weekly Earnings (National annual averages)



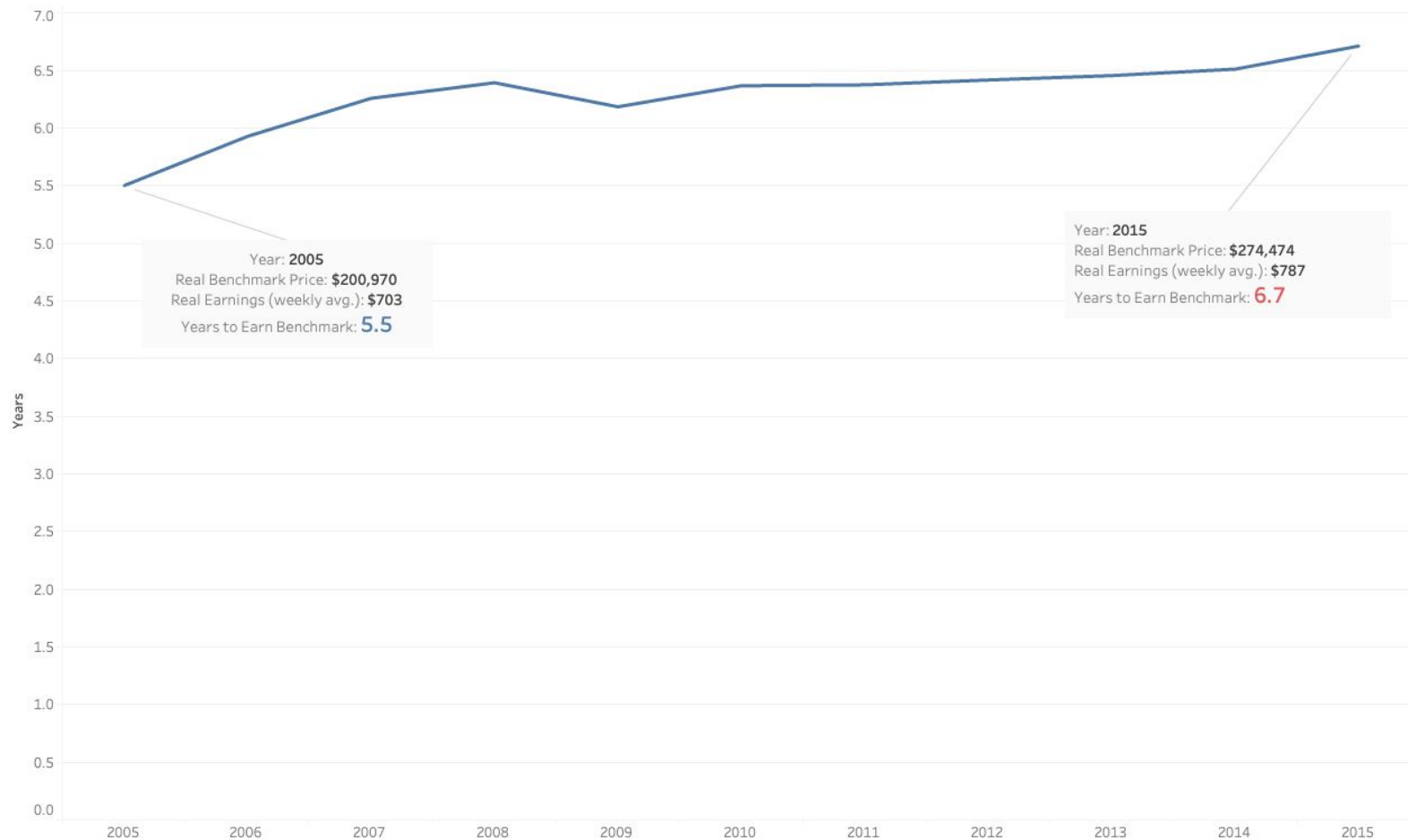
Does the trend hold when
adjusted for inflation?

Comparing Growth Rates of Real Benchmark Price and Real Earnings



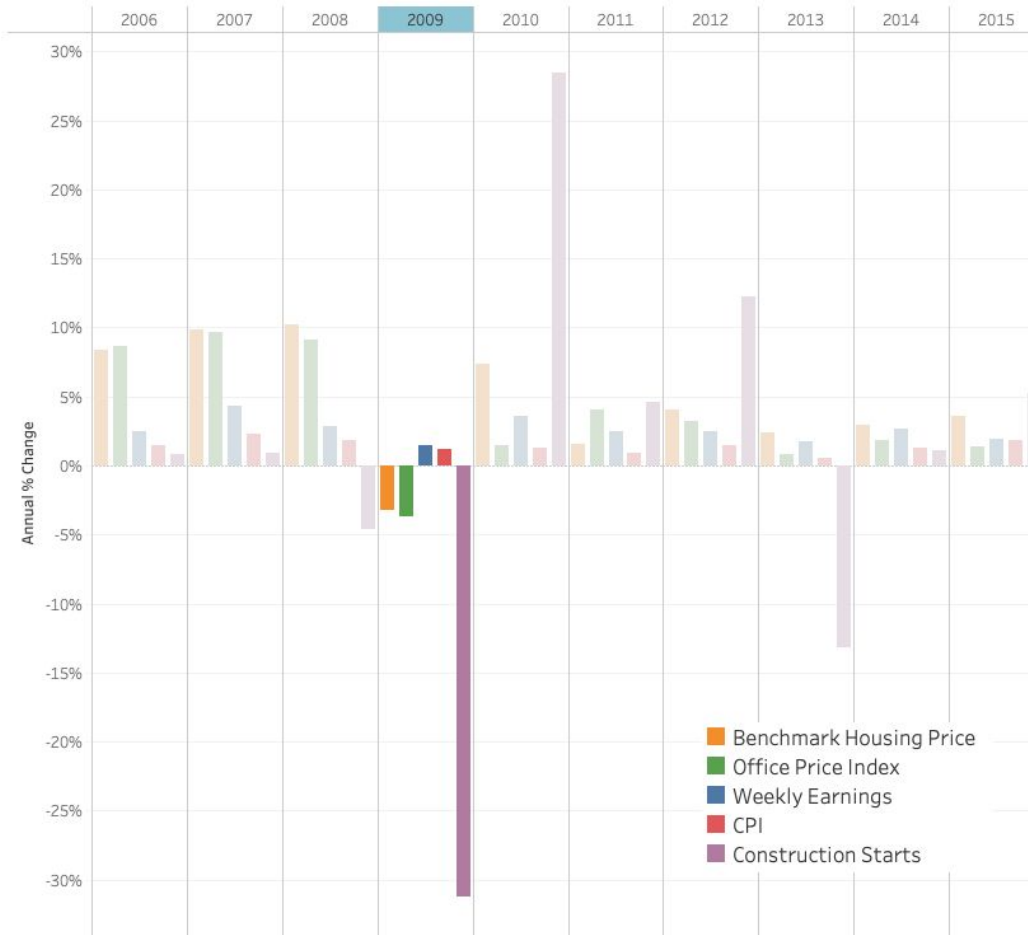
Are people spending more of their earnings now than a decade ago?

Years to Earn Benchmark Home Price (based on weekly average earnings)



Can we see any recent economic
crises reflected in the data?

Visualizing the 2009 Financial Crisis' Impact on Growth Rate of Key Metrics



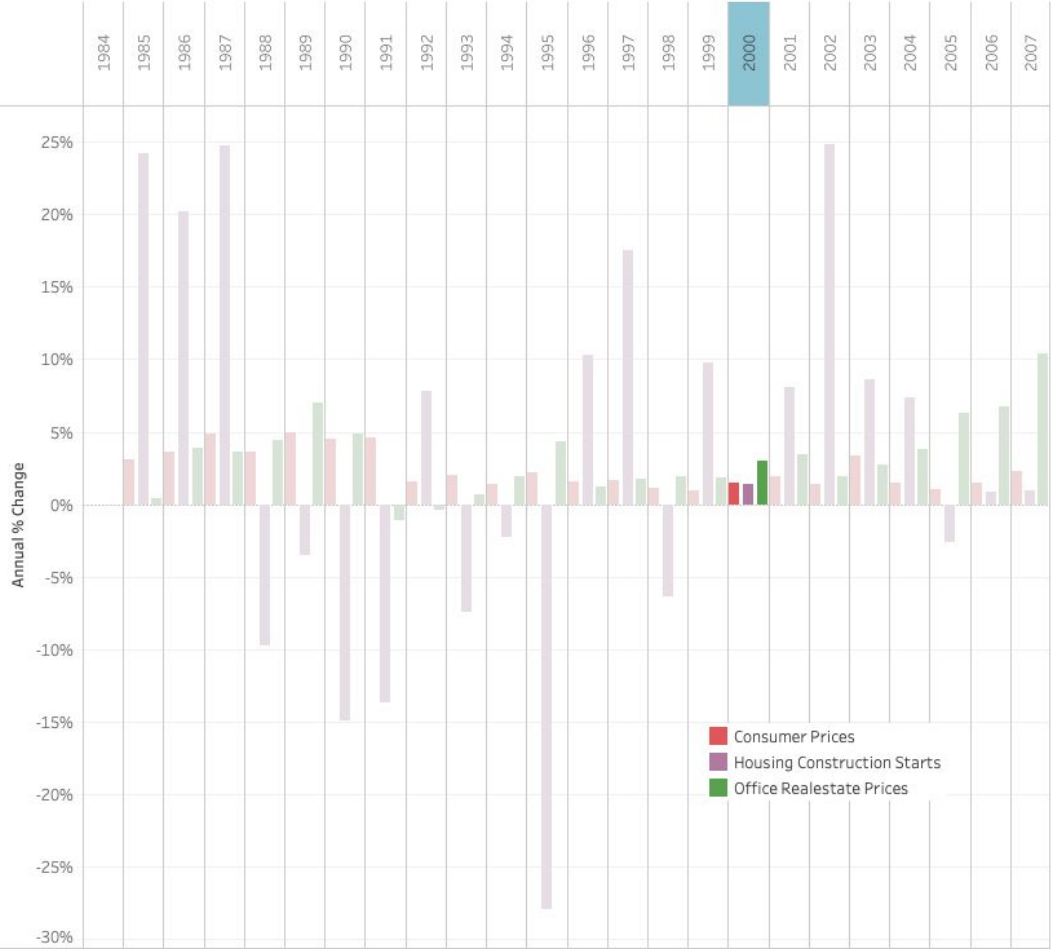
Effect of 1987 Stock Market Crash on Key Metrics



Effect of 90-92 Recession on Key Metrics



Effect of Dotcom Crash (2000) on Key Metrics



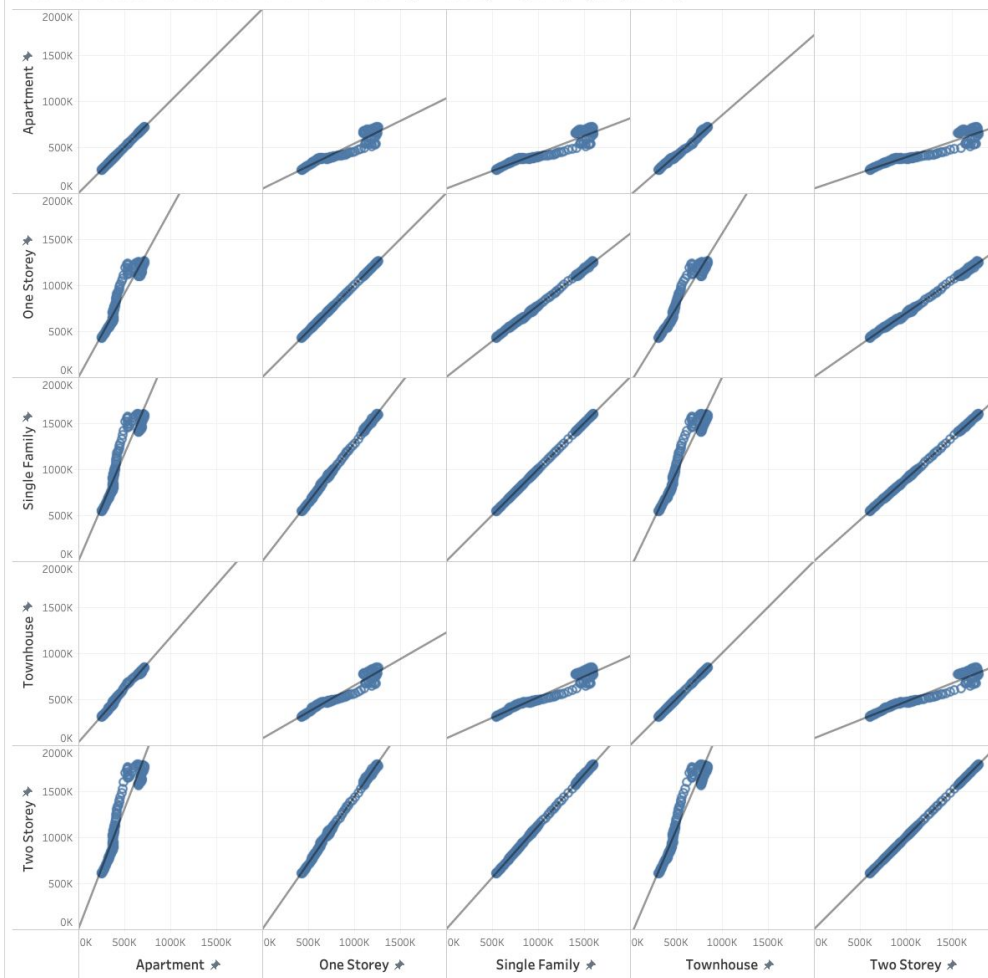
Can we use HPI to predict
Consumer Price Index (CPI)?

CPI vs HPI Trendline (Linear Regression)



How does price-growth differ
between housing categories ?

Matrix of Greater Vancouver Benchmark Housing Prices by Property Type (2005-2020)



Thanks for watching!

^_^