

# City of Detroit-University Economic Analysis Partnership



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# Current State of the U.S. Economy



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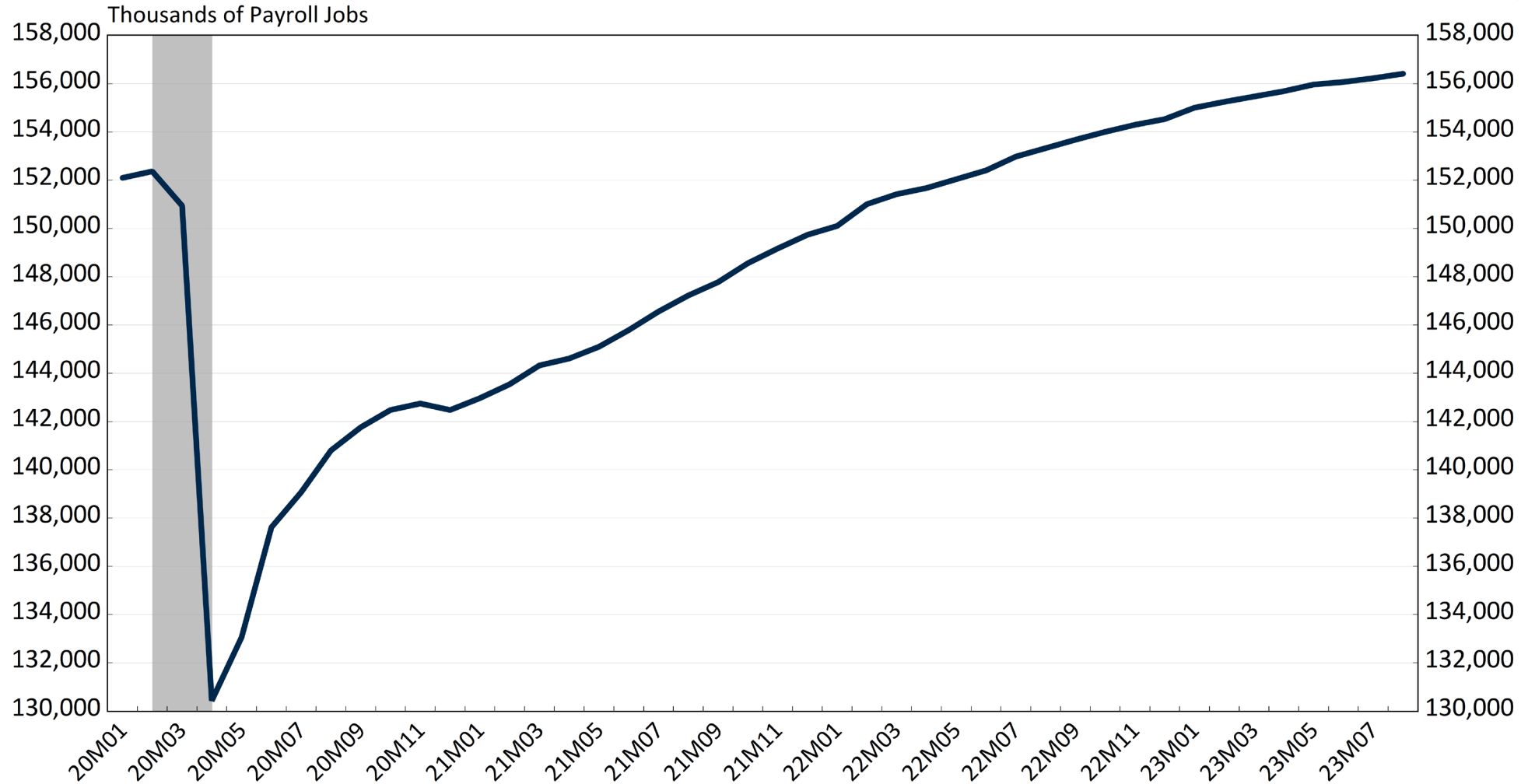
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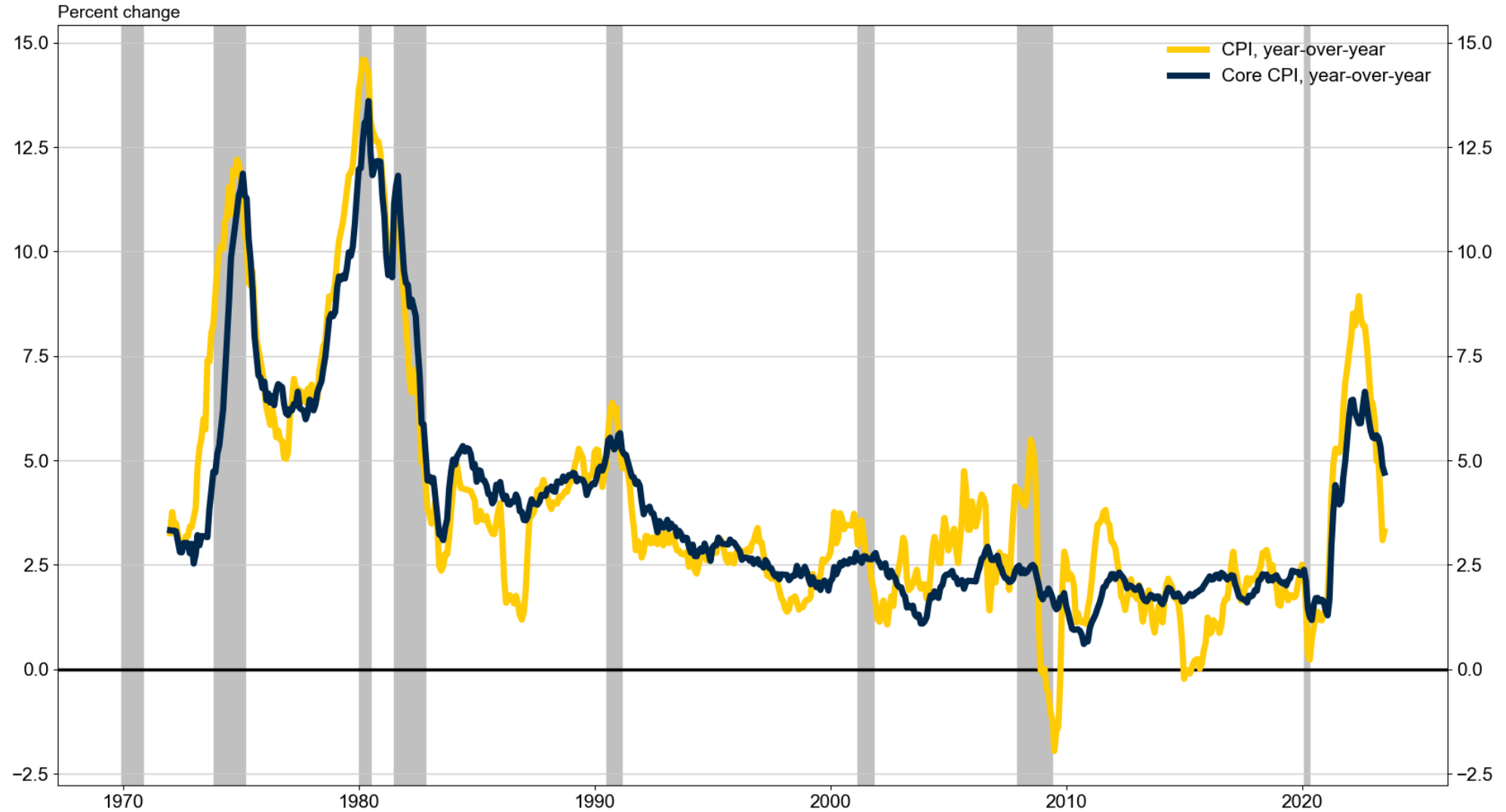
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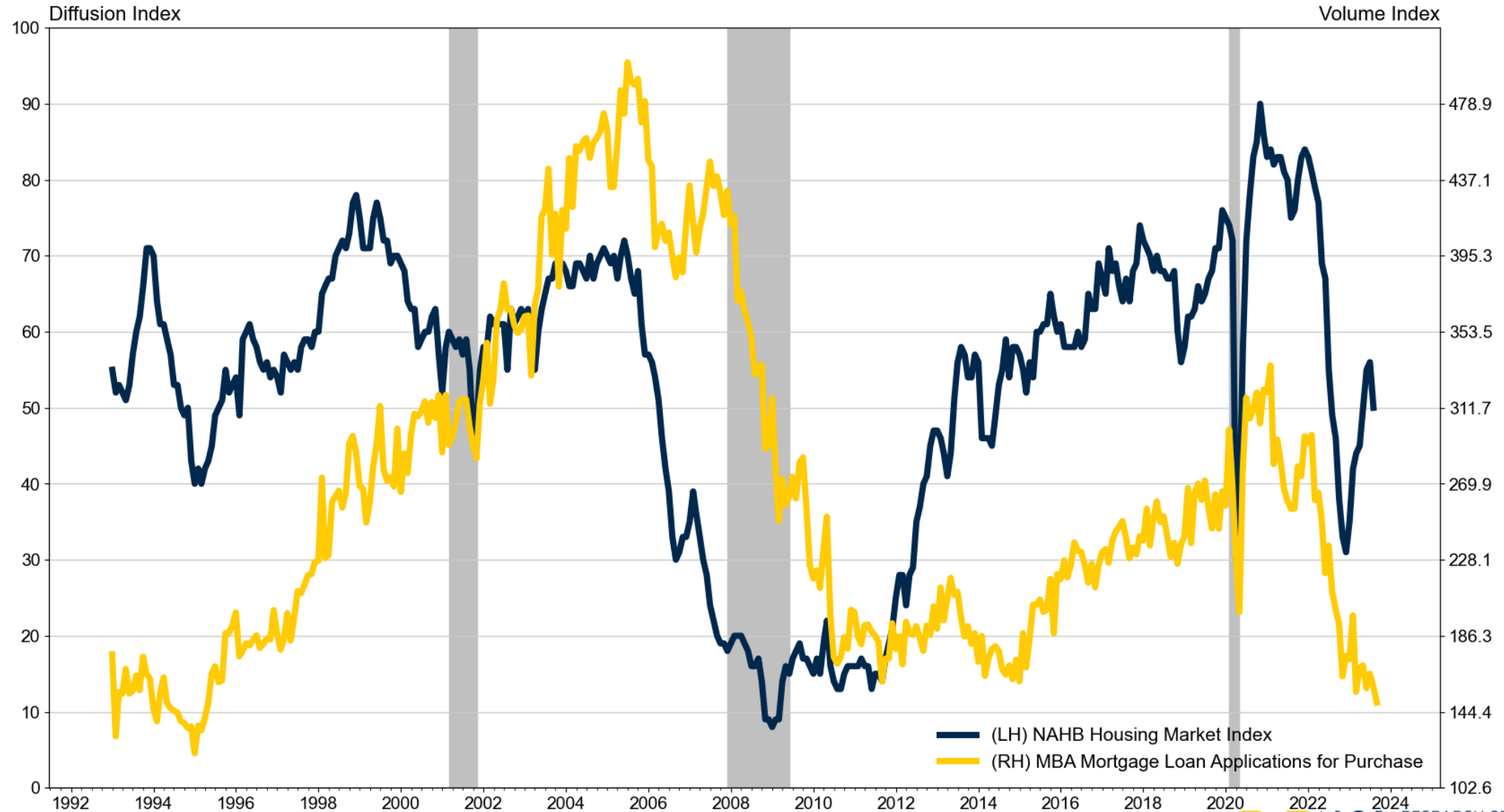
# National Payroll Jobs



# Consumer Price Index

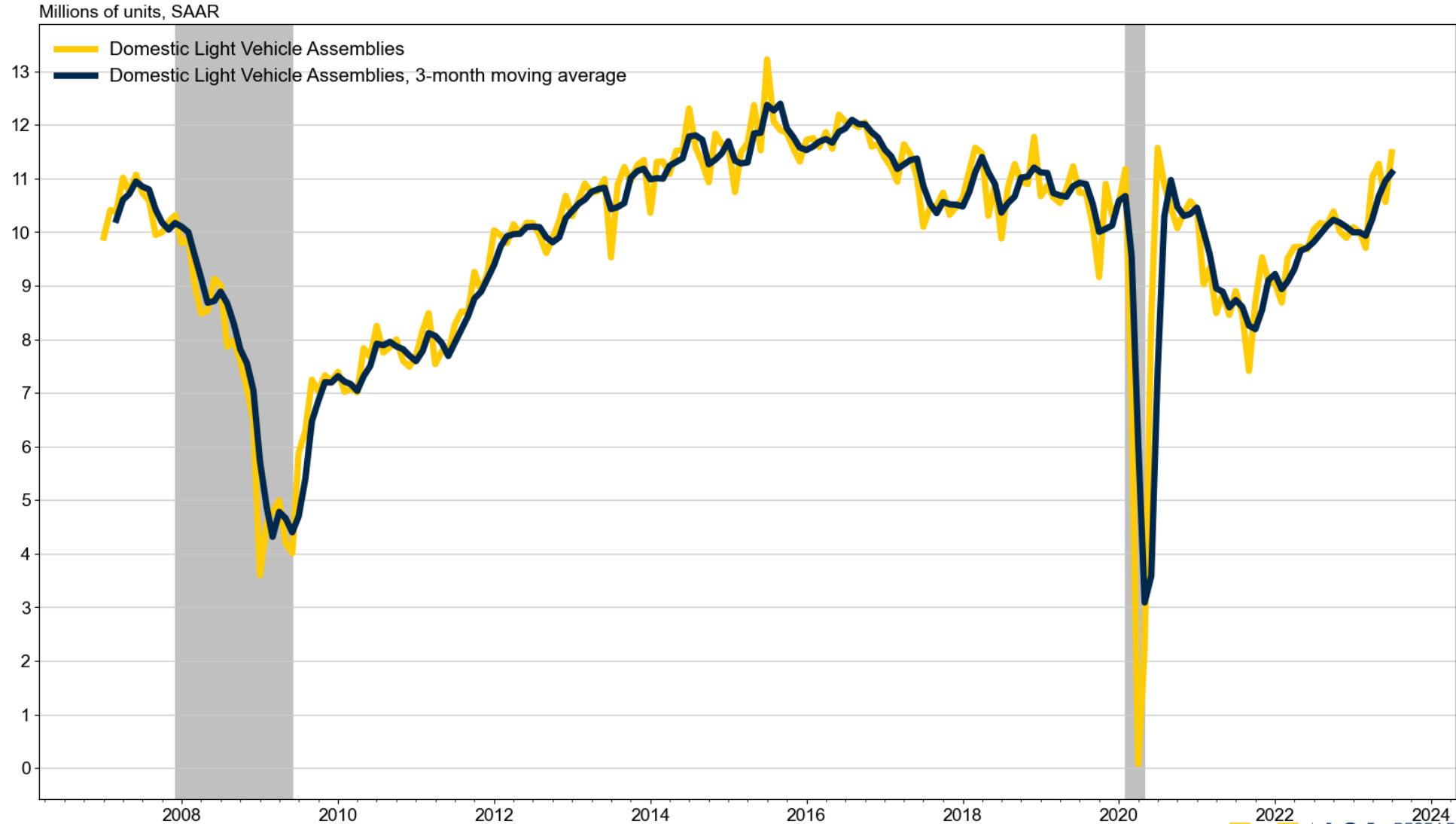


# Residential Housing Market Metrics



RSQE: September 2023

# Domestic Light Vehicle Assemblies



# Current State of Detroit's Economy



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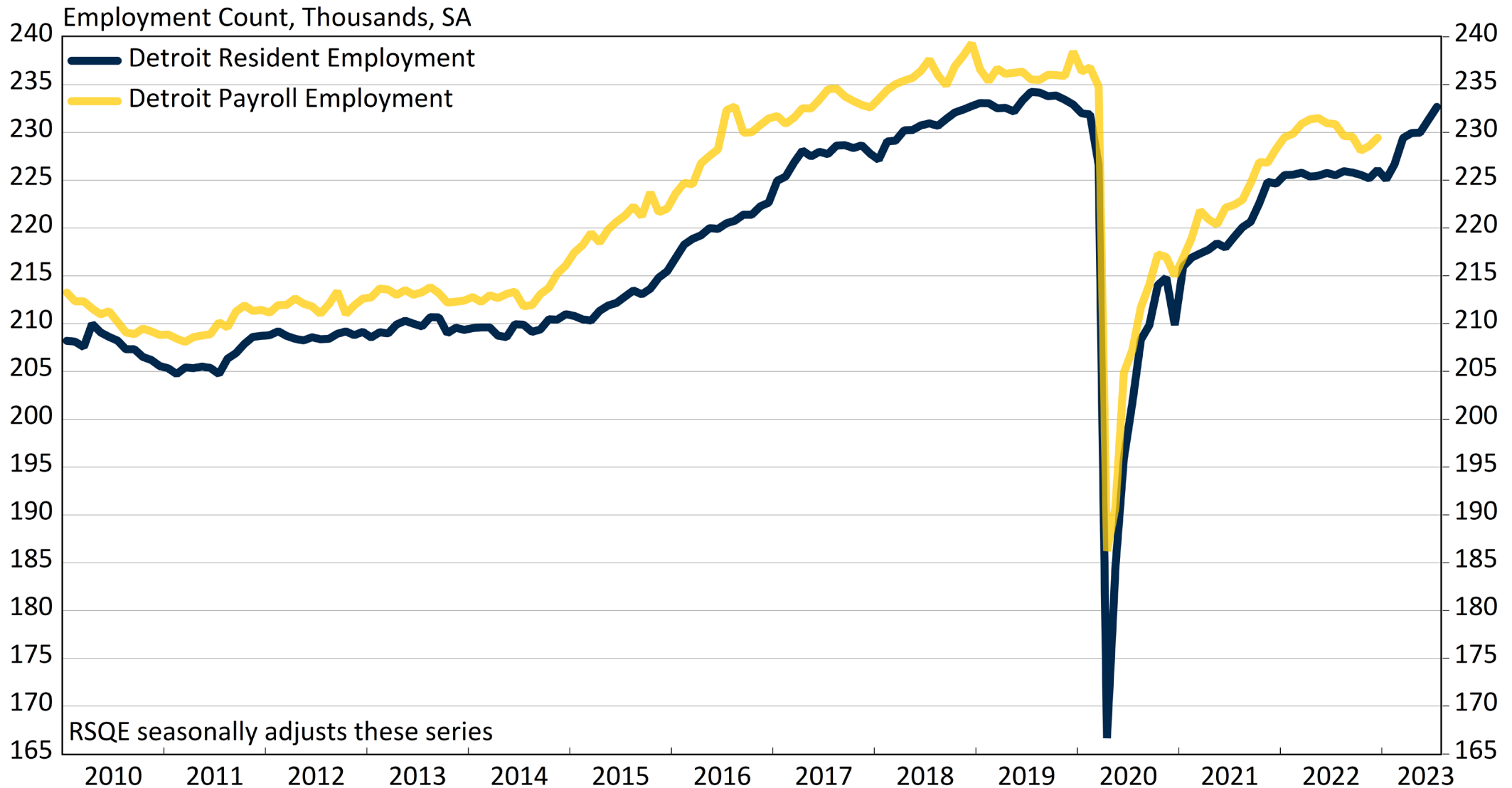
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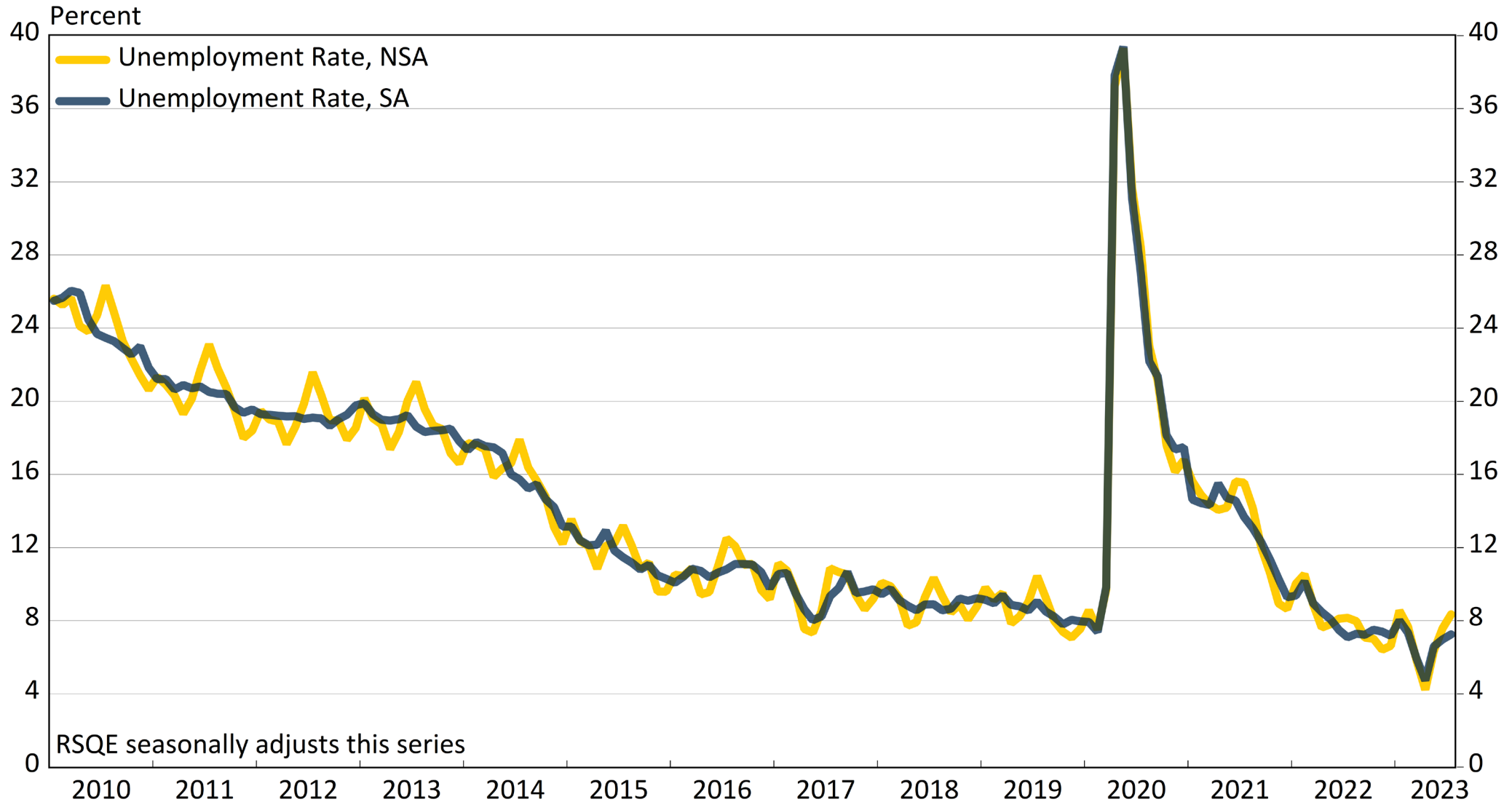
# Seasonally Adjusted Monthly Employment Count, City of Detroit



RSQE: September 2023

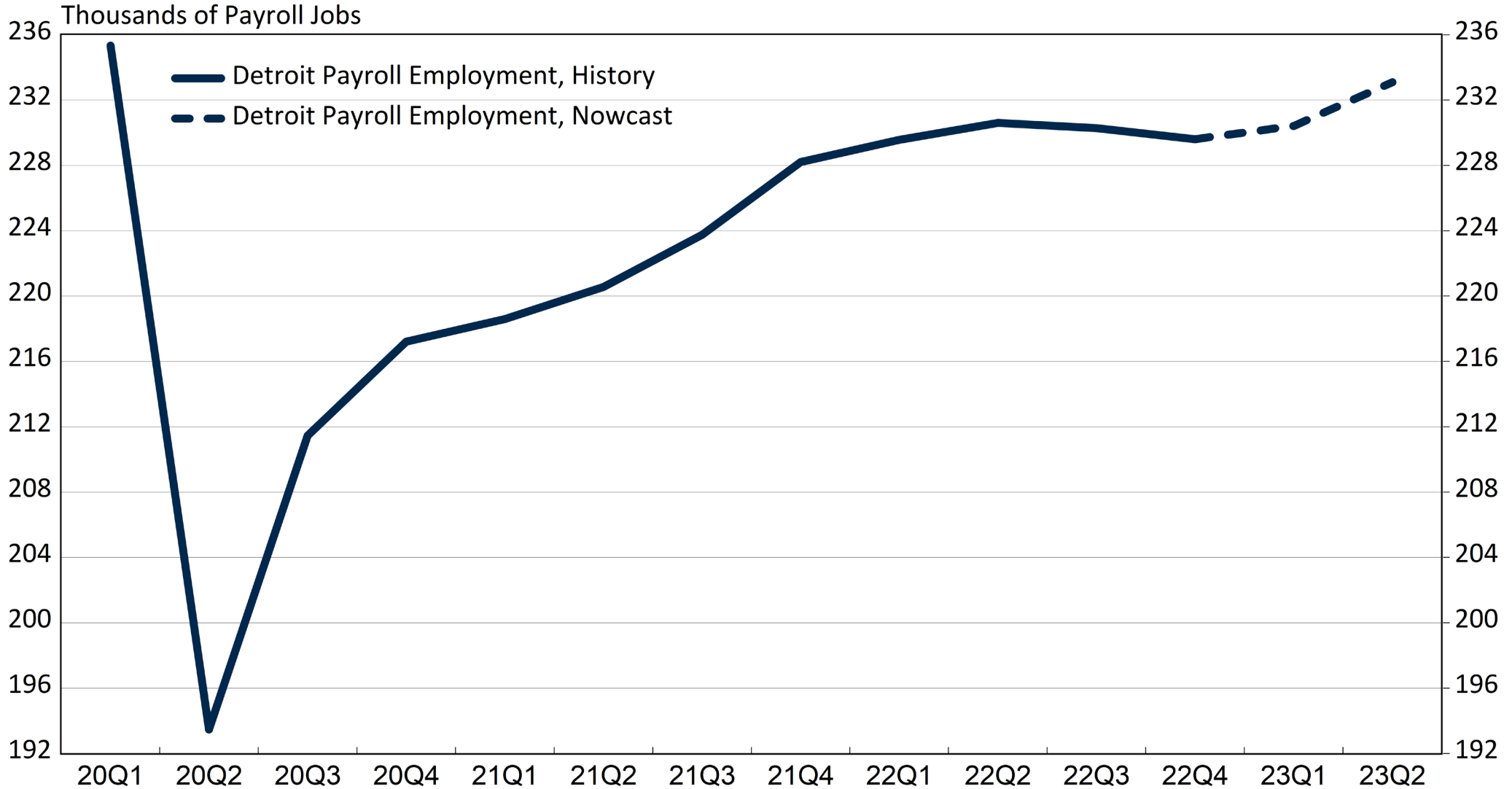


# Monthly Unemployment Rate, City of Detroit



RSQE: September 2023

# Nowcast of Detroit Payroll Jobs



# The Economic Outlook for Detroit



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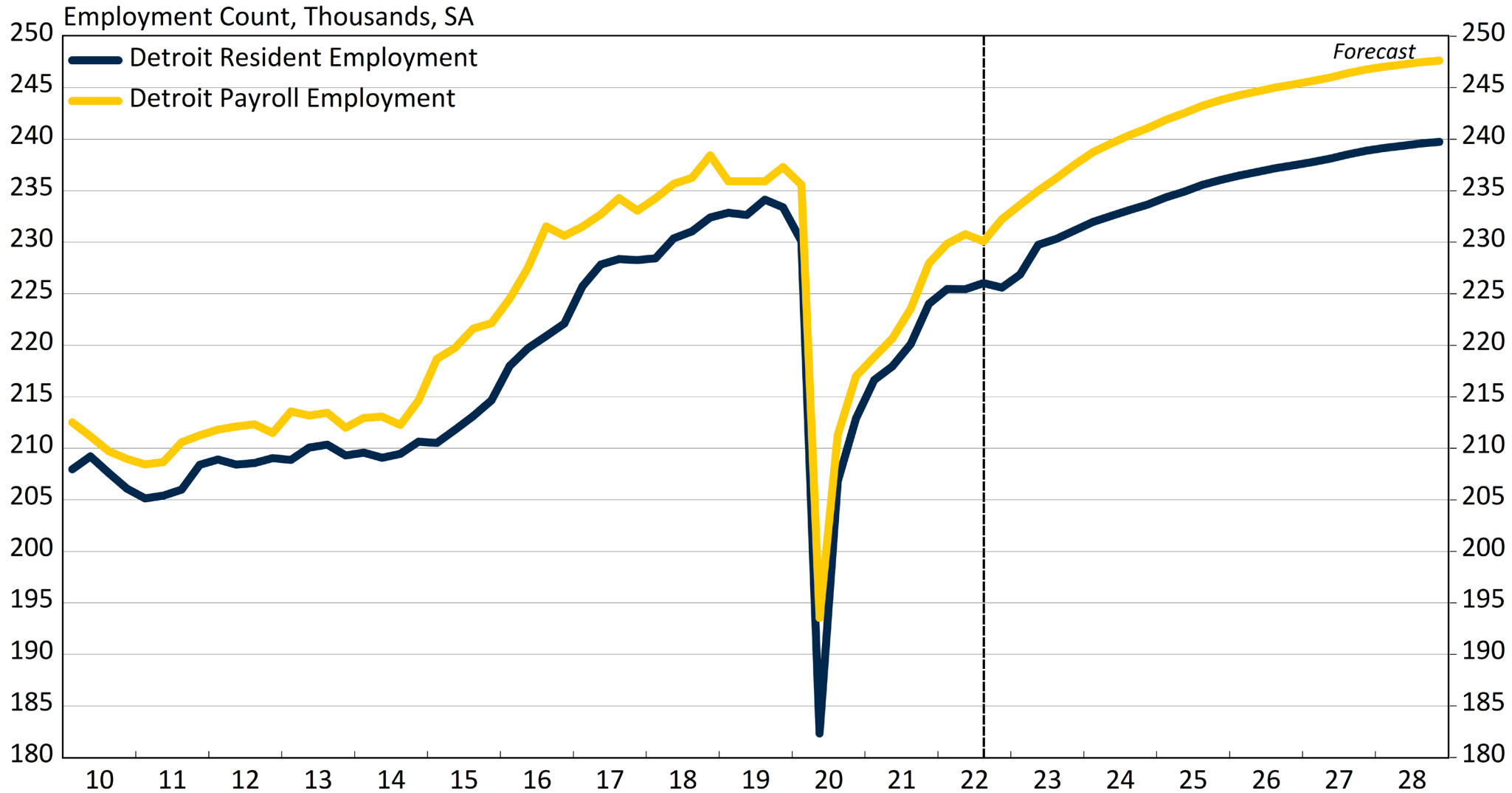
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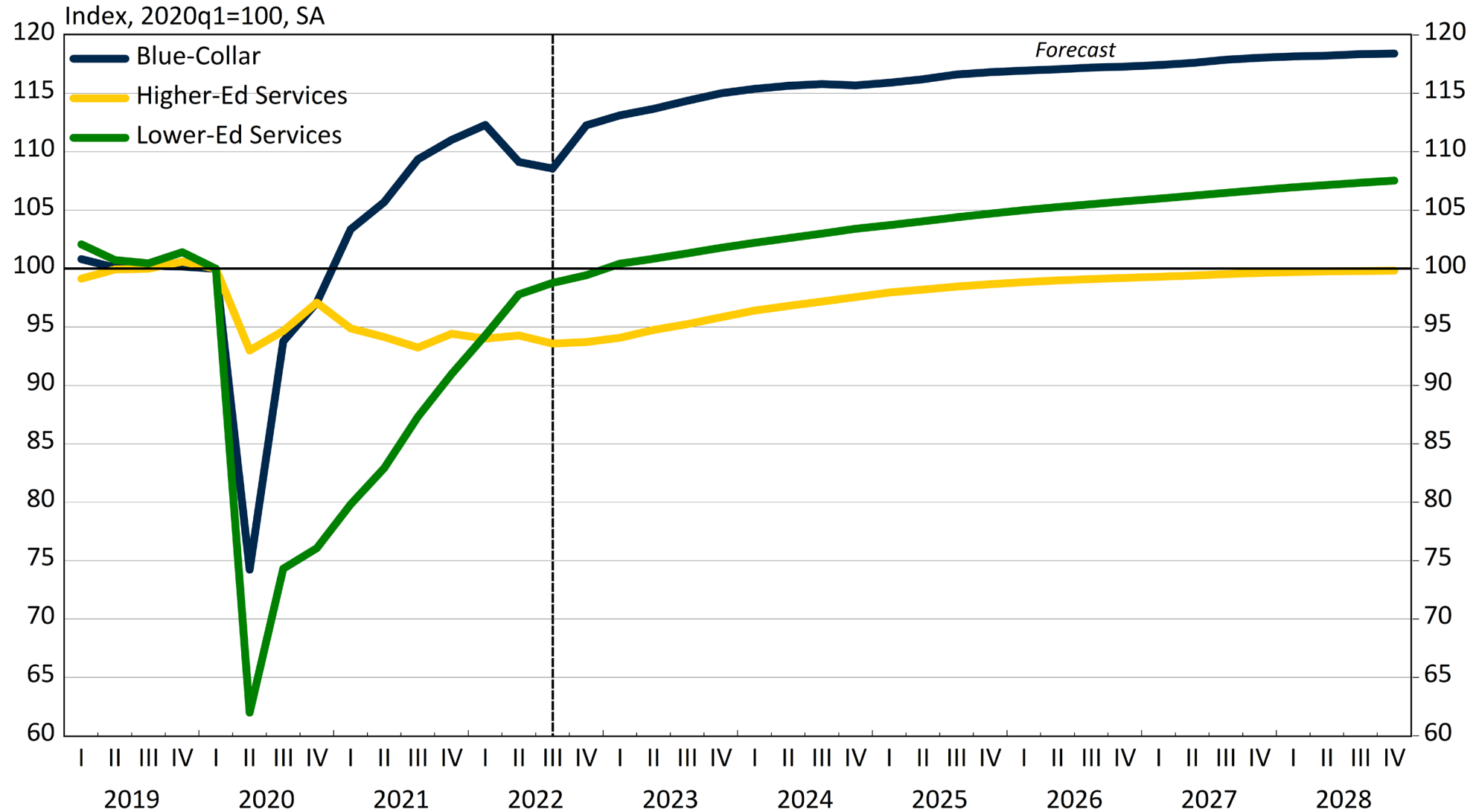
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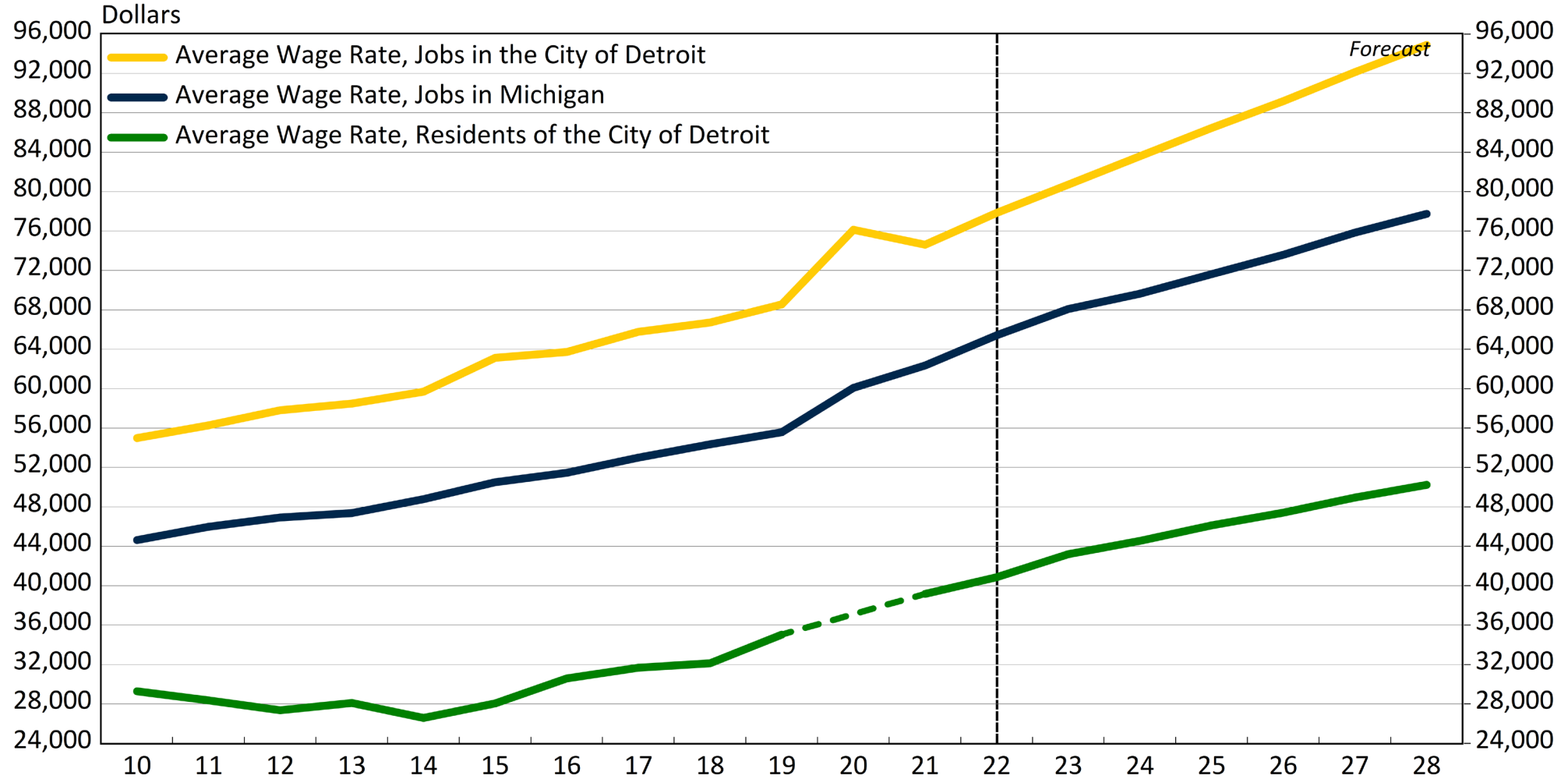
# Seasonally Adjusted Quarterly Average Payroll Employment, City of Detroit and Michigan



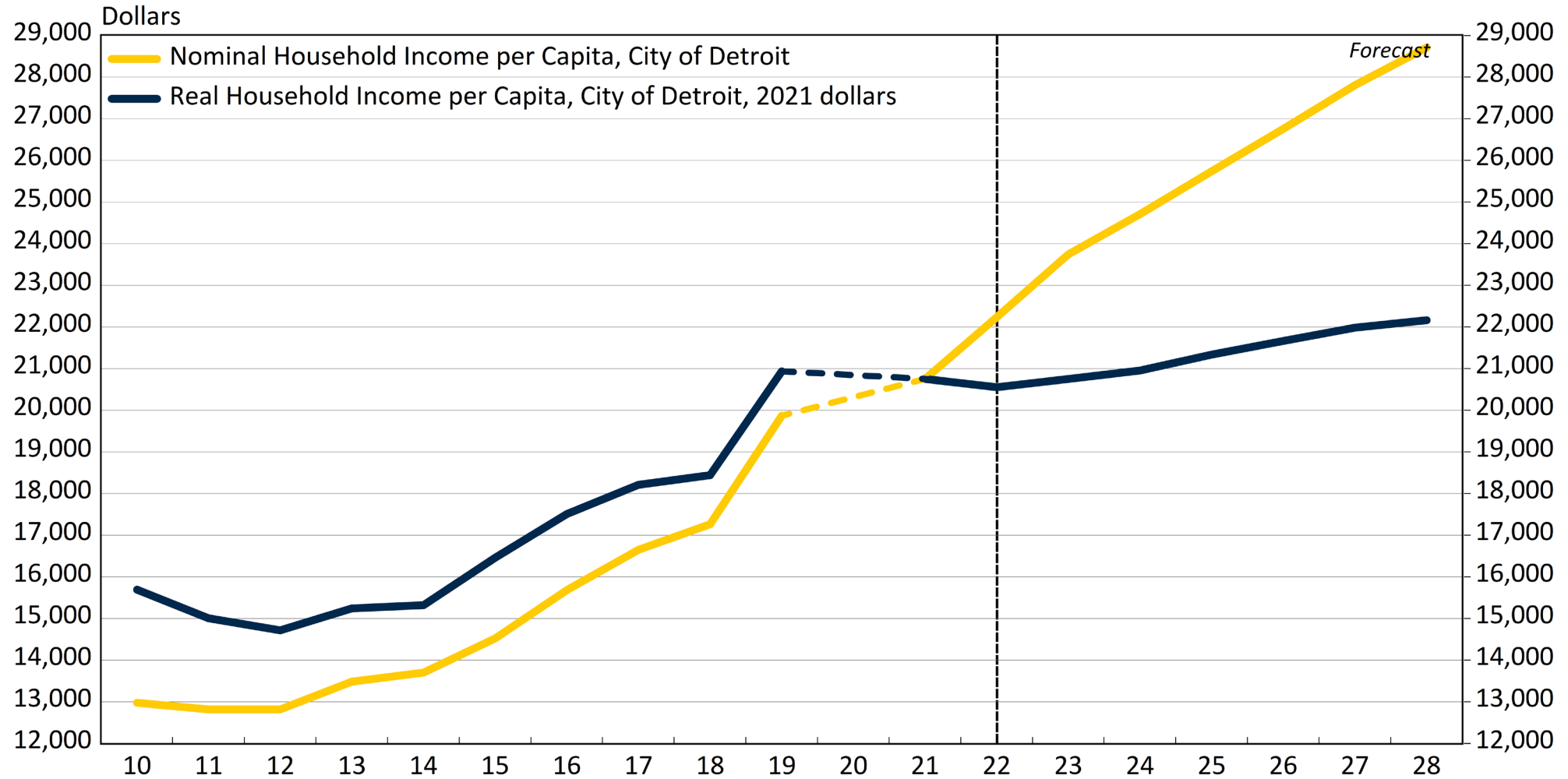
# City of Detroit Employment by Industry Group



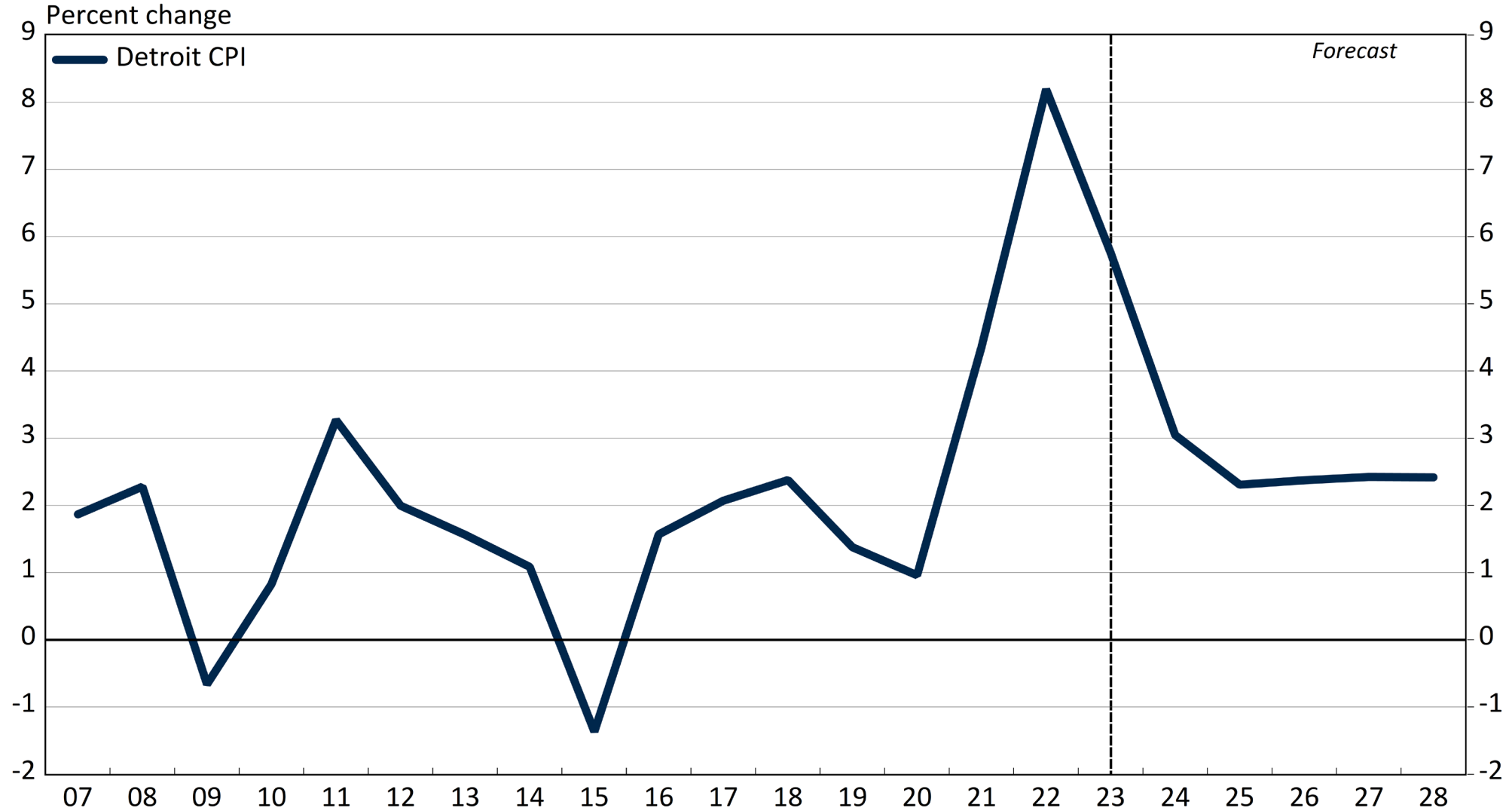
# Annual Wage and Salary Income per Worker, City of Detroit and Michigan



# Real and Nominal Income per Capita, City of Detroit

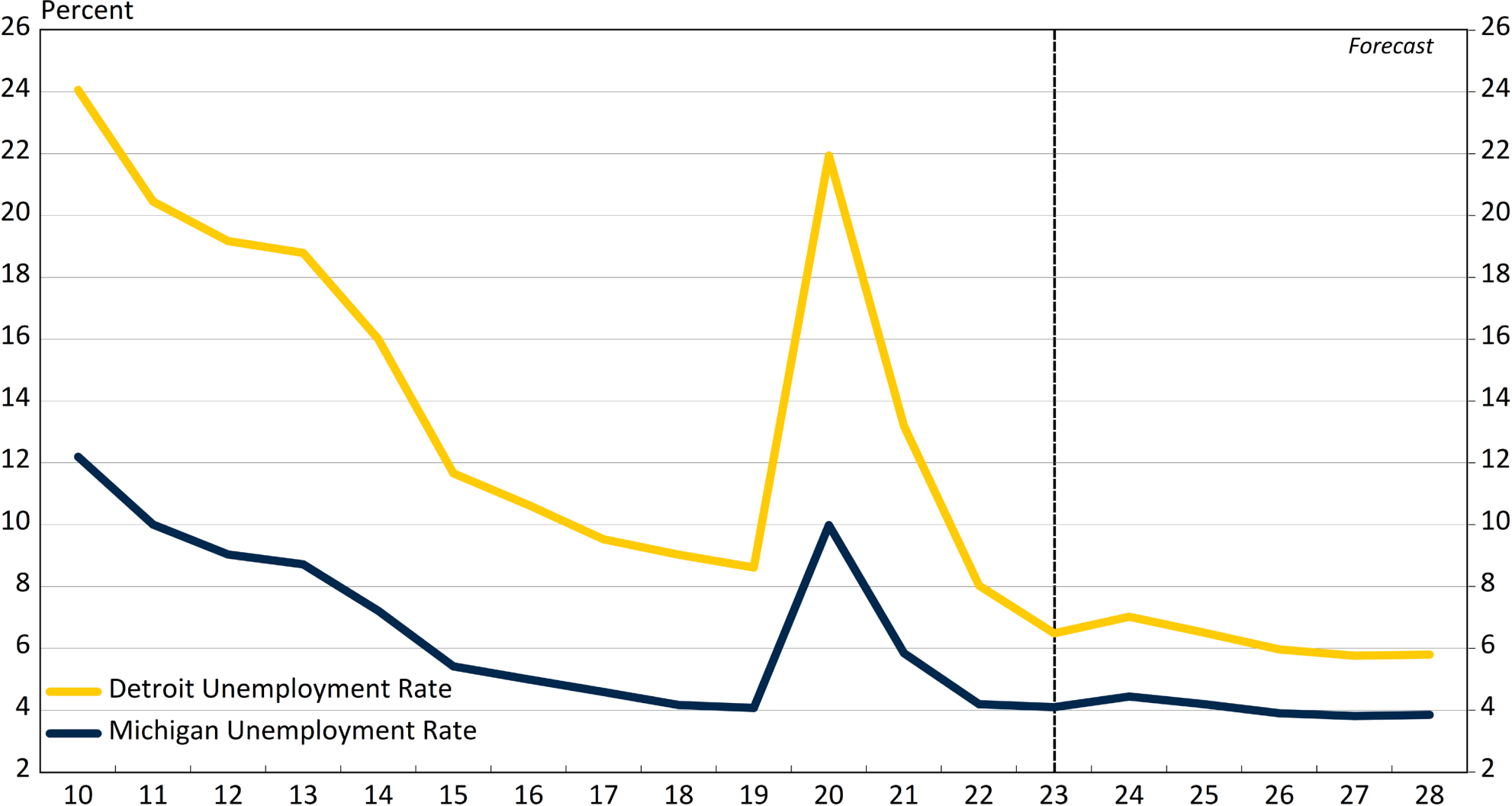


# Annual Inflation Rate, Detroit CPI





# Annual Unemployment Rates, City of Detroit and Michigan



# Detroit Living Wage Analysis



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# Outline of Analysis

## ➤ Goals of Analysis:

- Identify how many working Detroiters are earning a living wage
- Compare the share of workers earning a living wage to other large Midwestern cities
- Identify factors that help to explain the variation in workers earning a living wage between cities

➤ We use a slight adaptation of the Living Wage Calculator compiled by Dr. Amy Glasmeier at MIT

➤ The Living Wage Calculator creates a basic needs budget based on local market prices for essential spending categories

➤ The basic needs budgets vary based on number of adults, number of working adults and the number of children

# Share Earning a Living Wage

	All Primary Earners	Full-Time	At Least Half-Time
Detroit	36%	49%	42%
Chicago	60%	72%	65%
Milwaukee	45%	57%	49%
St. Louis	57%	69%	63%
Minneapolis	63%	78%	70%
Cleveland	48%	62%	54%

# Explaining the Gaps Between Cities with KOB Decomposition

- To explain the differences between cities, we use a Kitagawa-Oaxaca-Blinder (KOB) decomposition
  - KOB decomposition is widely used methodology in labor economics and other social sciences
  - Decompose observed differences between groups into a part explained by a set of explanatory variables (e.g. education levels) and an unexplained portion
- E.g., in Chicago, 53 percent of primary earners have a bachelor's degree while in Detroit, only 24 percent do
- Thought experiment: How much of the gap between Detroit and Chicago could be explained if Detroit workers had the educational profile of Chicago workers

# Decomposing the Gap between Detroit and Peer Cities

City	Share Earning Living Wage	Difference Explained by Education	Difference Explained by Occupation	Difference Explained by Industry	Difference Explained by Hours Worked	Difference by All Four Characteristics
Detroit	36%					
Chicago	60%	53%	41%	0%	21%	56%
Milwaukee	45%	12%	25%	1%	15%	30%
St. Louis	57%	48%	33%	-4%	18%	52%
Minneapolis	63%	49%	41%	-3%	9%	51%
Cleveland	48%	10%	11%	-2%	15%	20%
Average	51%	34%	30%	-1%	16%	42%



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