












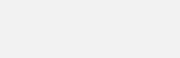


## Data Insights: Jobs

Friday, November 3, 2017

### Today's jobs data: what you need to know

<b>Non-farm payrolls</b>	Change Oct: +261	Revision Sep: +51	Revision Aug: +39	
<b>Private payrolls</b>	Change Oct: +252	Revision Sep: +55	Revision Aug: +20	
<b>Employment</b>	Change Oct: -484			
<b>Unemployment</b>	Change Oct: -281			
<b>Long-term unemployment</b>	Change Oct: -142			
<b>Civilian labor force</b>	Change Oct: -765	4.72 million below trend	36.7% of leavers unemployed	
<b>Unemployment rate</b>	Oct: 4.07%	Change Oct: -0.16%		
<b>Underemployment rate</b>	Oct: 7.9%	Change Oct: -0.4%		
<b>Participation rate</b>	Oct: 62.7%	Change Oct: -0.4%		
<b>UE adjusted for participation</b>	Oct: 8.9%	Change Oct: +0.43%		
<b>Average weeks unemployed</b>	Oct: 26	Change Oct: -0.8		
<b>% longterm unemployed</b>	Oct: 24.8%	Change Oct: -0.7%		
<b>Aggregate hours worked index</b>	Oct: 107.6	Change Oct: +0.2%	Revision Sep: +0	
<b>Average hourly earnings</b>	Oct: unch	Change Oct: -0.5%	Revision Sep: unch	
<b>Aggregate weekly earnings</b>	Oct: 136.5	Change Oct: +0.1%	Revision Sep: +0.2	
<b>Monthly job-finding probability</b>	Oct: 35.4%	Change Oct: -0.4%		
<b>Monthly separation probability</b>	Oct: 1.7%	Change Oct: -0.0%		
<b>% involuntary part-time</b>	Oct: 3.1%	Change Oct: -0.2%		
<b>"Household" vs "Payroll" jobs</b>	Change Oct: -325			

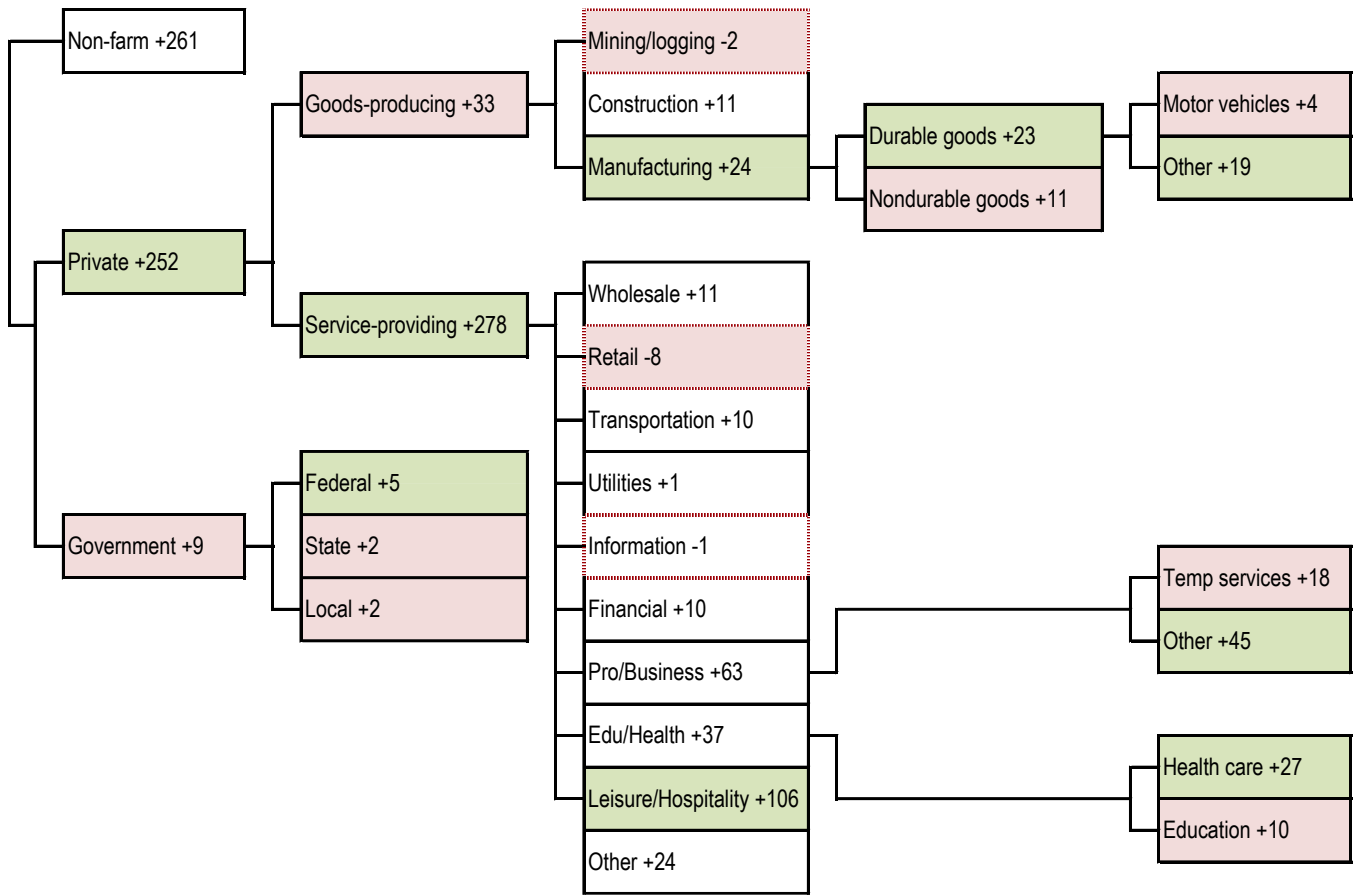
Source: Bureau of Labor Statistics, TrendMacro calculations

#### For more information contact us:

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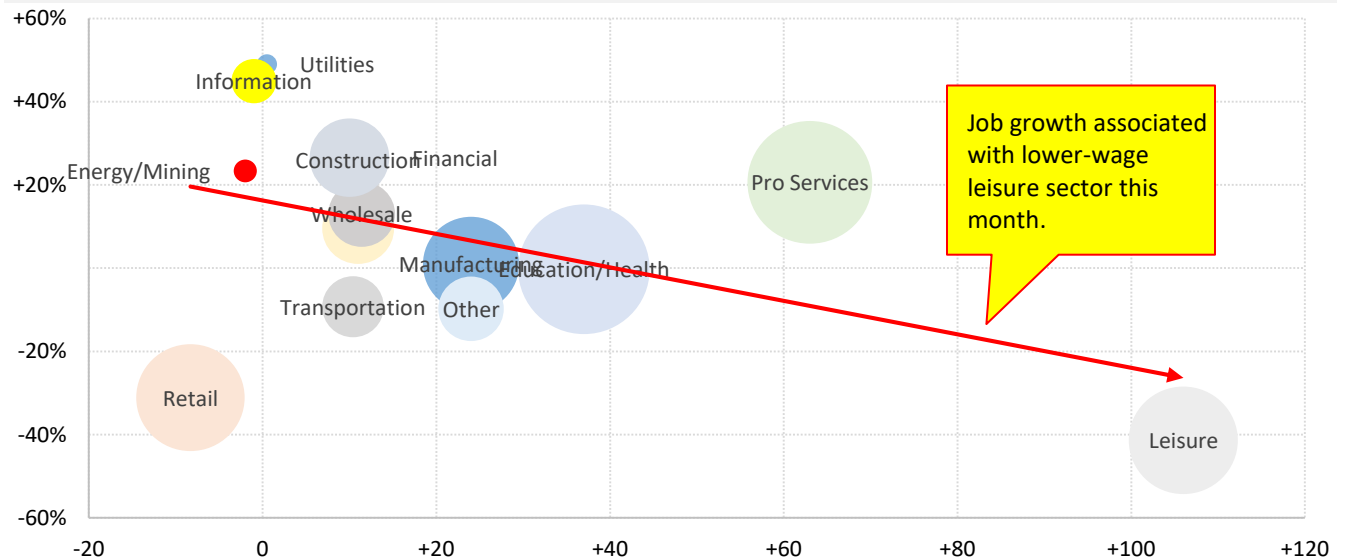
# Today's payroll data: what you need to know -- where did the jobs come from?

Sequential month change, thousands SA --- Net job losses Biggest change per detail module: ■ best ■ worst



## Where is the pay coming from?

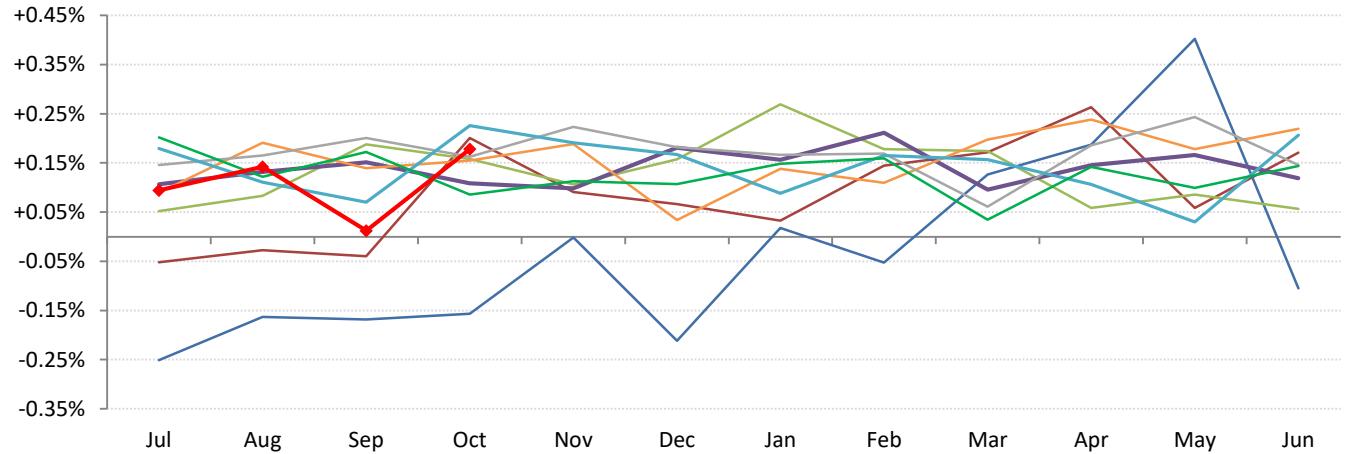
Vertical: Hourly wages vs average Horizontal: Payrolls change this month Circle size: Share of all employment



Source: BLS, TrendMacro calculations

## The payroll cycle in the Not So Great Expansion following the Great Recession

Growth MOM from July — 2009-10 — 10-11 — 11-12 — 12-13 — 13-14 — 14-15 — 2015-16 — 2015-16 — 2017-18

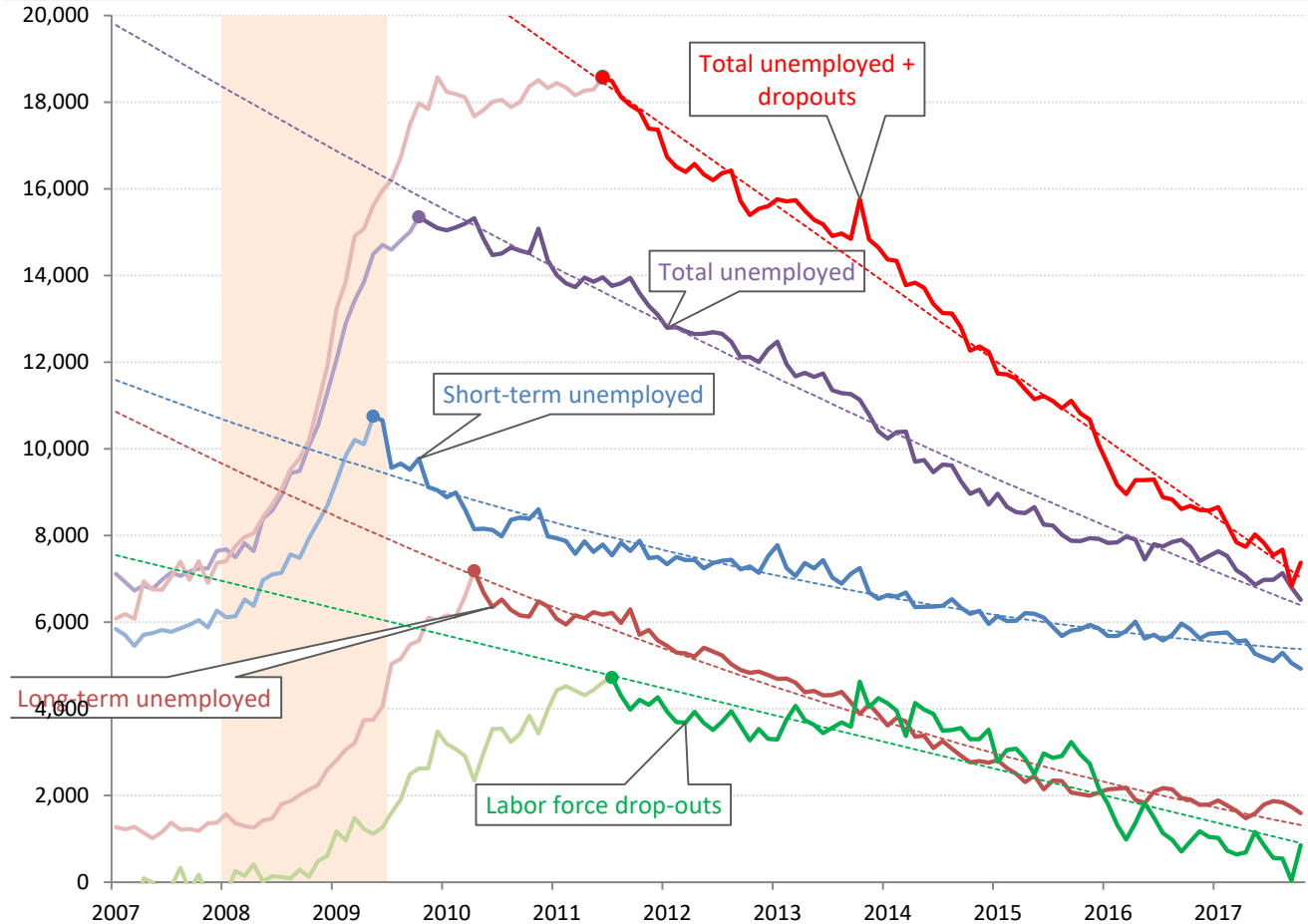


Source: BLS Current Population Survey, TrendMacro calculations

## The ultimate jobless recovery is becoming jobful

Unemployment: thousands Short-term = <27 weeks Long-term = >27 weeks

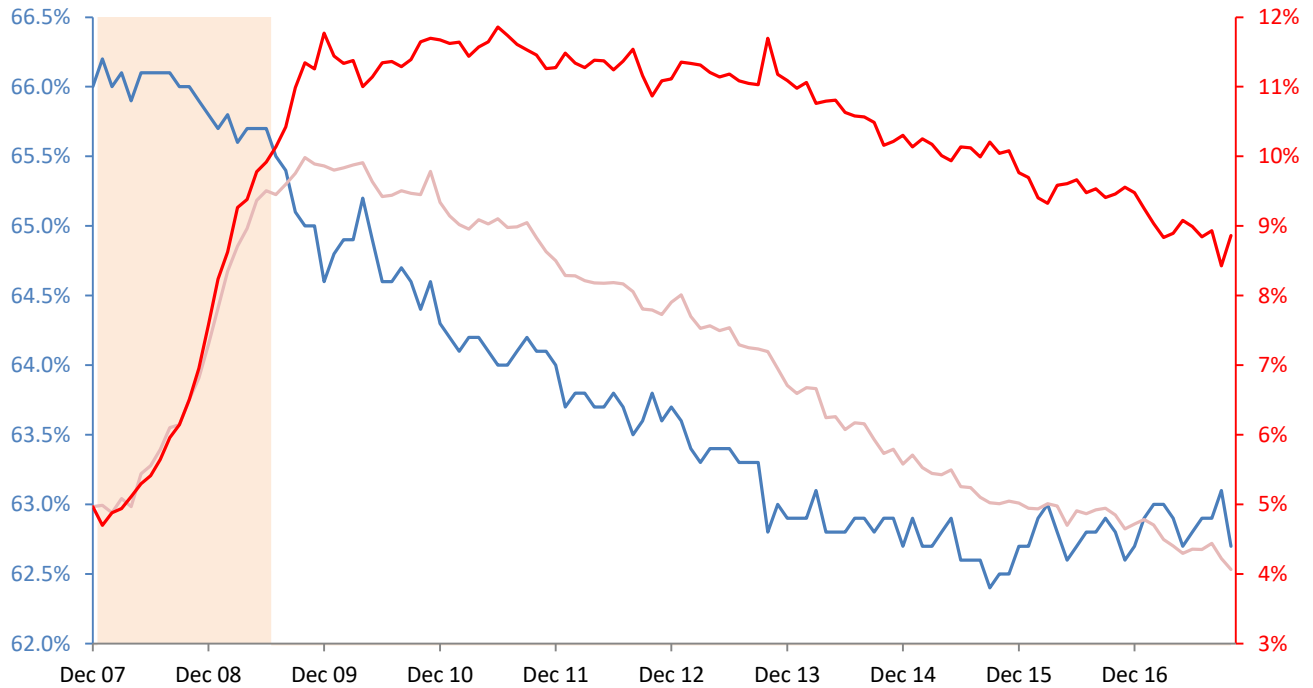
Income inflation adjusted to today's USD



Source: BLS Current Population Survey, TrendMacro calculations

## Unemployment rate normalized for participation rate December 2007

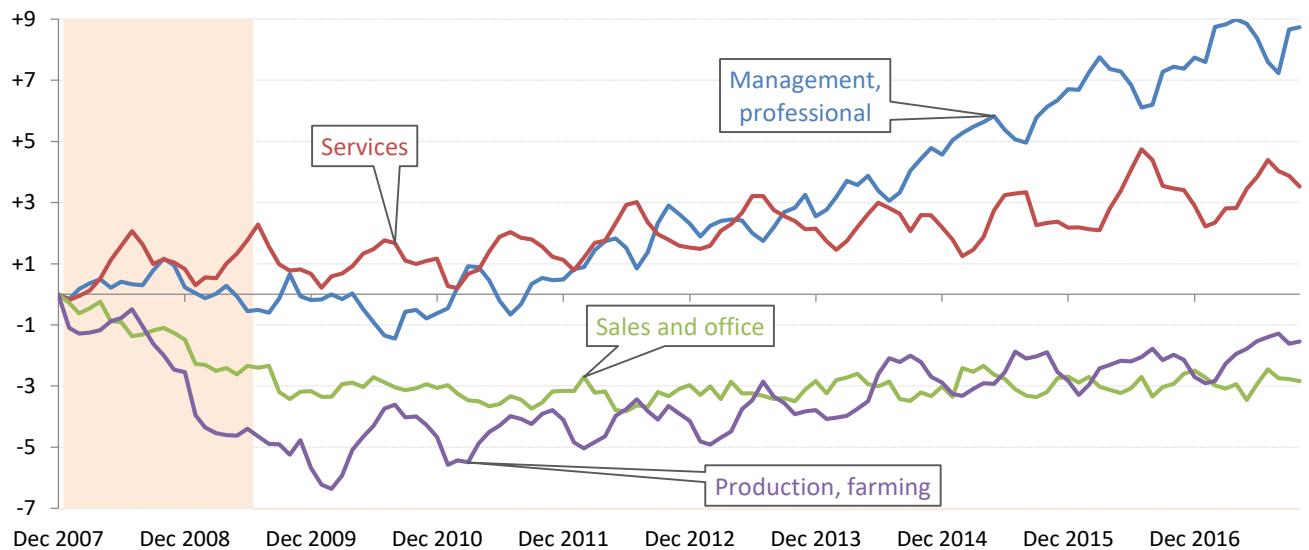
— Participation rate — Headline unemployment rate — Recession



Source: BLS Current Population Survey, TrendMacro calculations

## Winner and losers in the Not So Great Expansion following the Great Recession

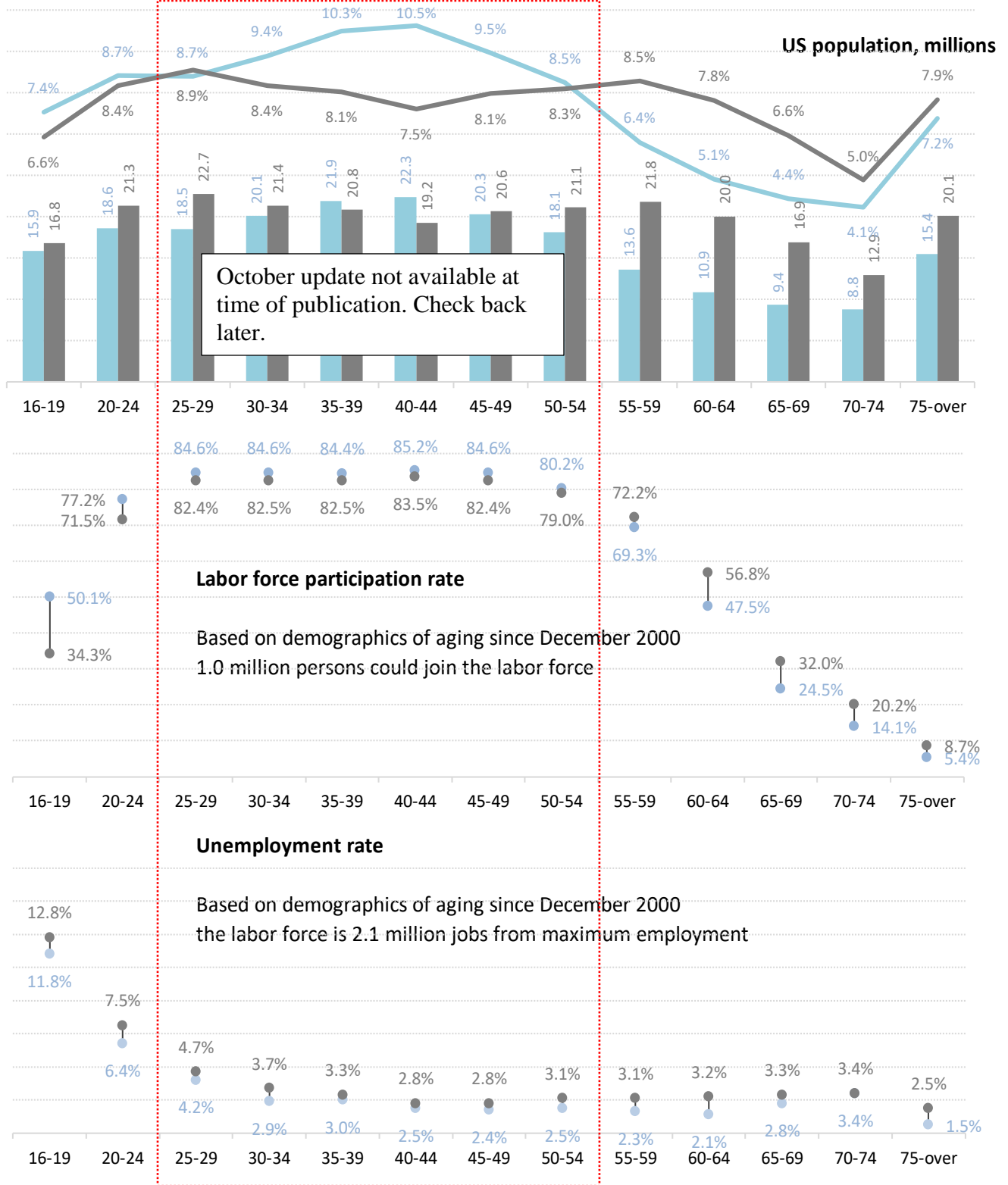
Change in total payrolls from prior business cycle peak, millions



Source: BLS, NBER, TrendMacro calculations

# US labor force demographics: fading baby boom and its rising echo

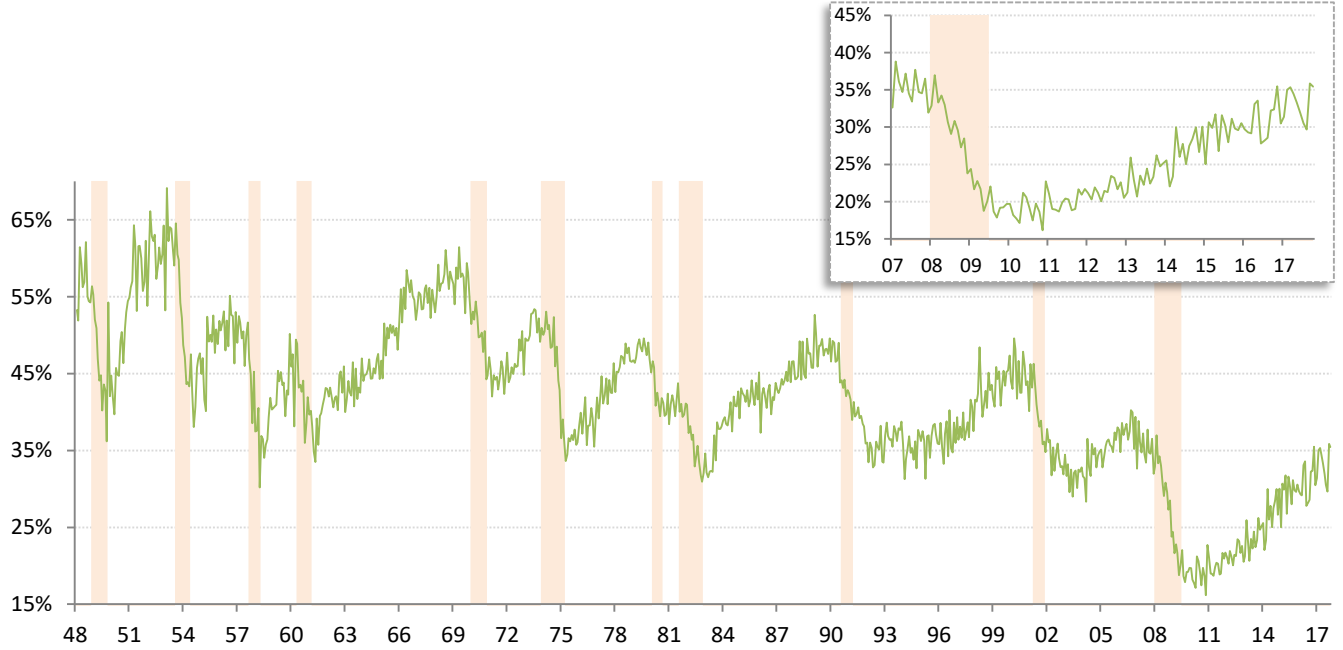
By age bracket: ■ December 2000, peak in the labor force participation rate ■ Latest □ Prime working age



Source: BLS Current Population Survey, TrendMacro calculations

## Monthly job-finding probability (the outflow rate from unemployment)

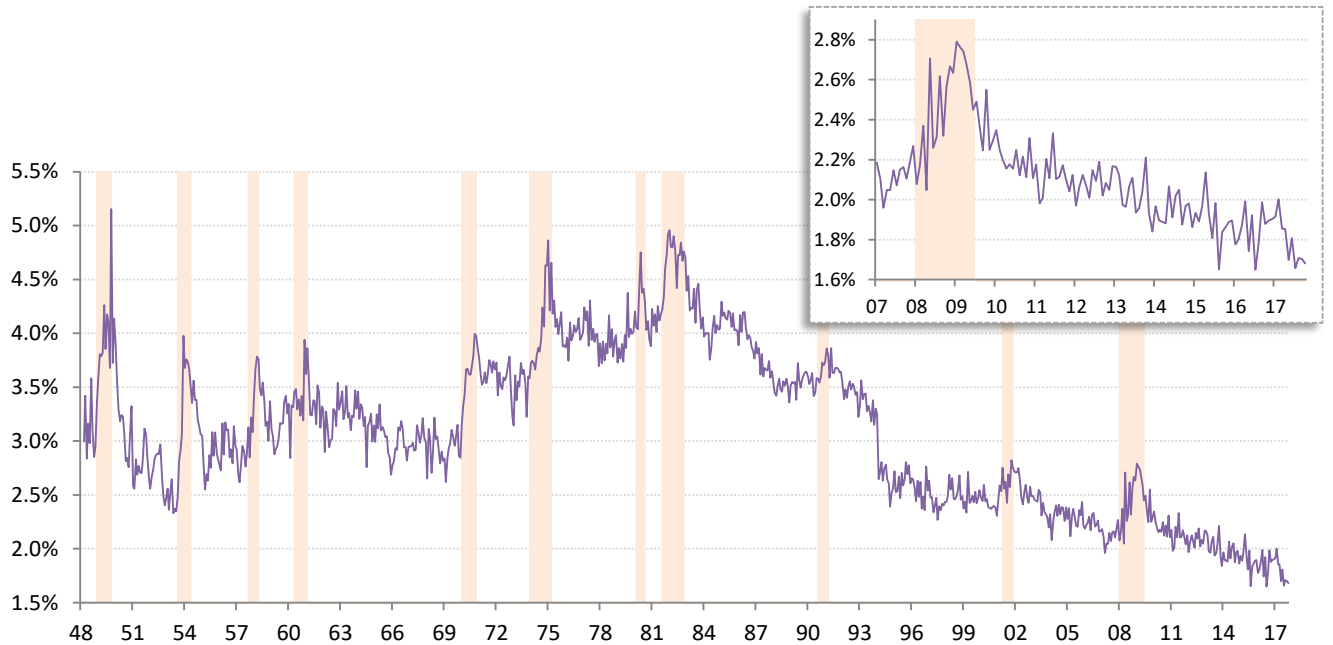
Chance of an unemployed person becoming employed in one month (per [Shimer 2005](#)) Recession



Source: BLS Current Population Survey, TrendMacro calculations

## Monthly job-separation probability (the inflow rate to unemployment)

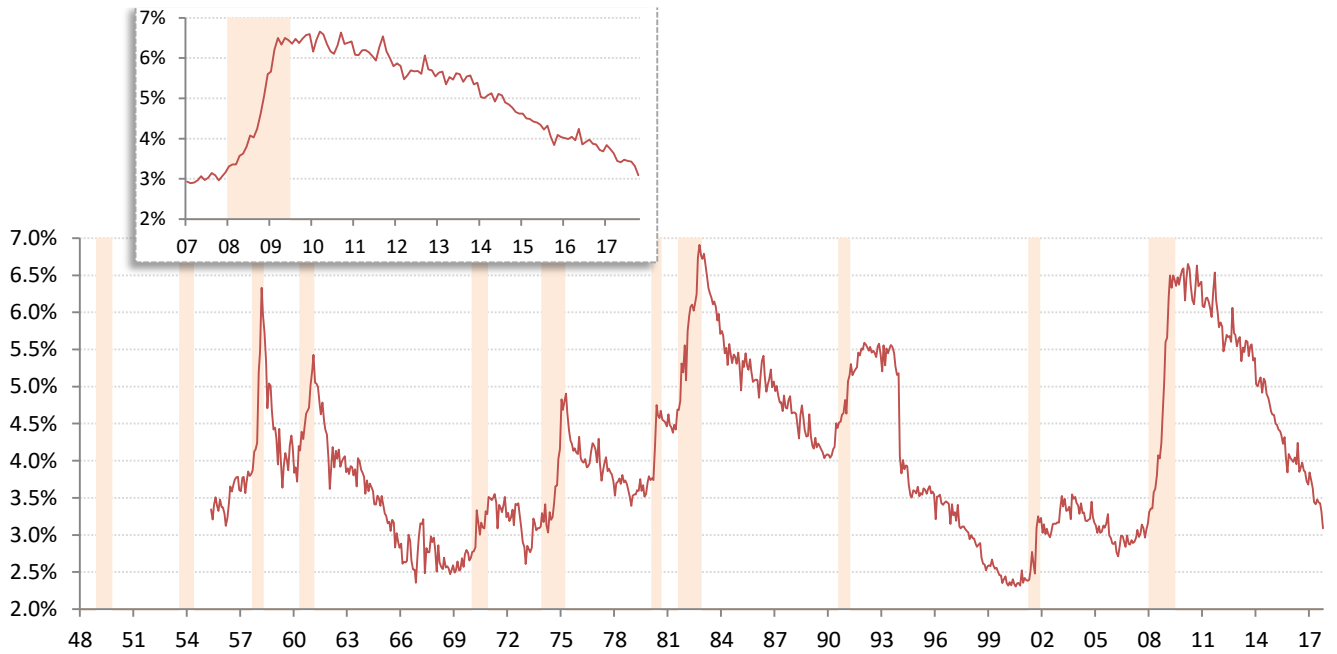
Chance of an employed person becoming unemployed in one month (per [Shimer 2005](#)) Recession



Source: BLS Current Population Survey, TrendMacro calculations

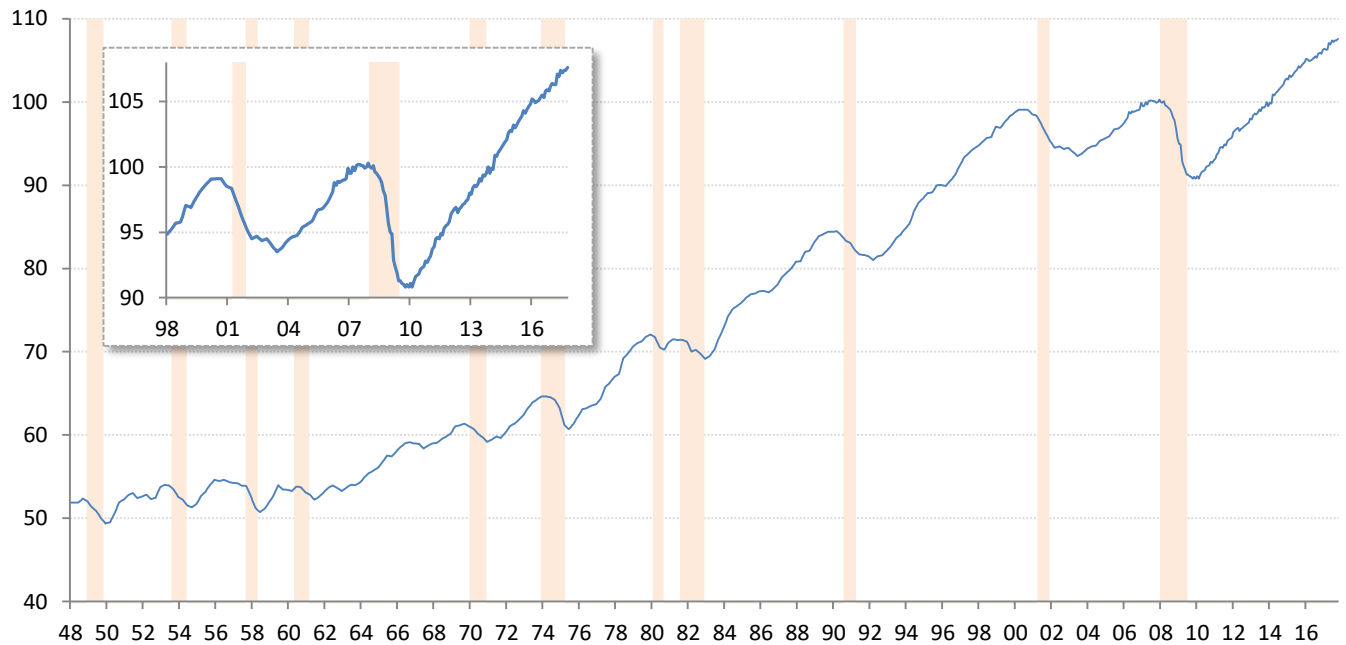
## Involuntary part-time workers as percentage of the employed labor force

Persons available for full-time work ■ Recession



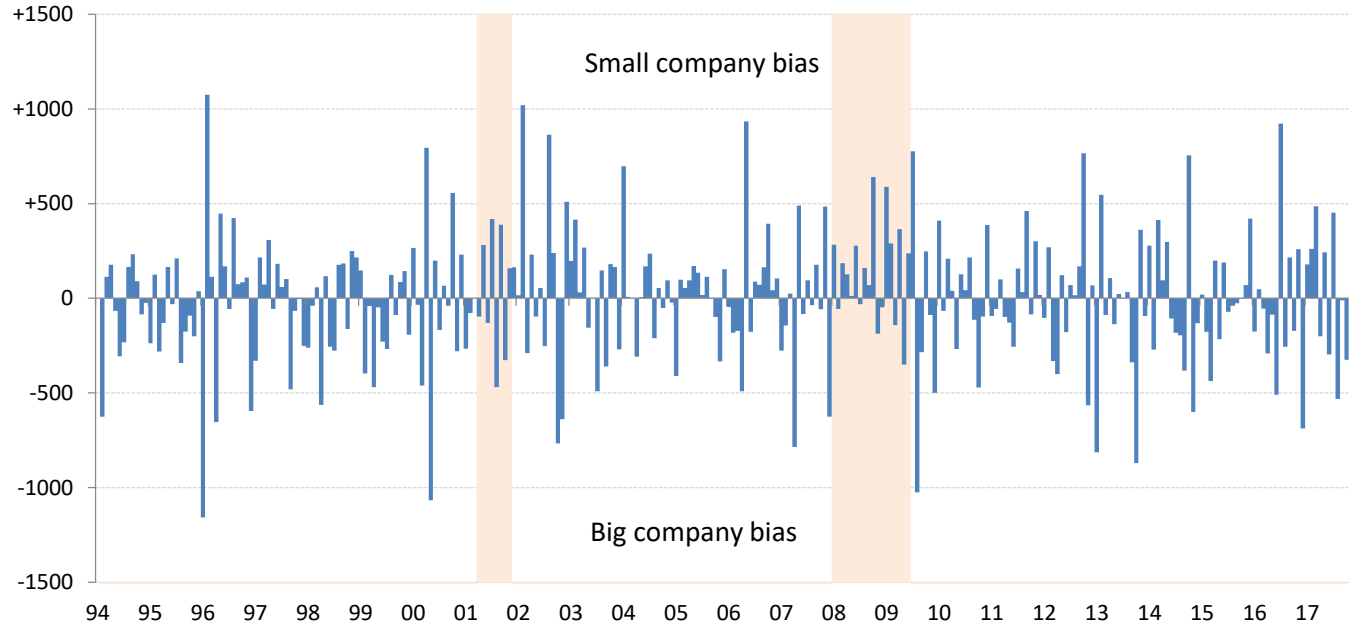
Source: BLS Current Population Survey, TrendMacro calculations

## Aggregate weekly private hours-worked index ■ Recession



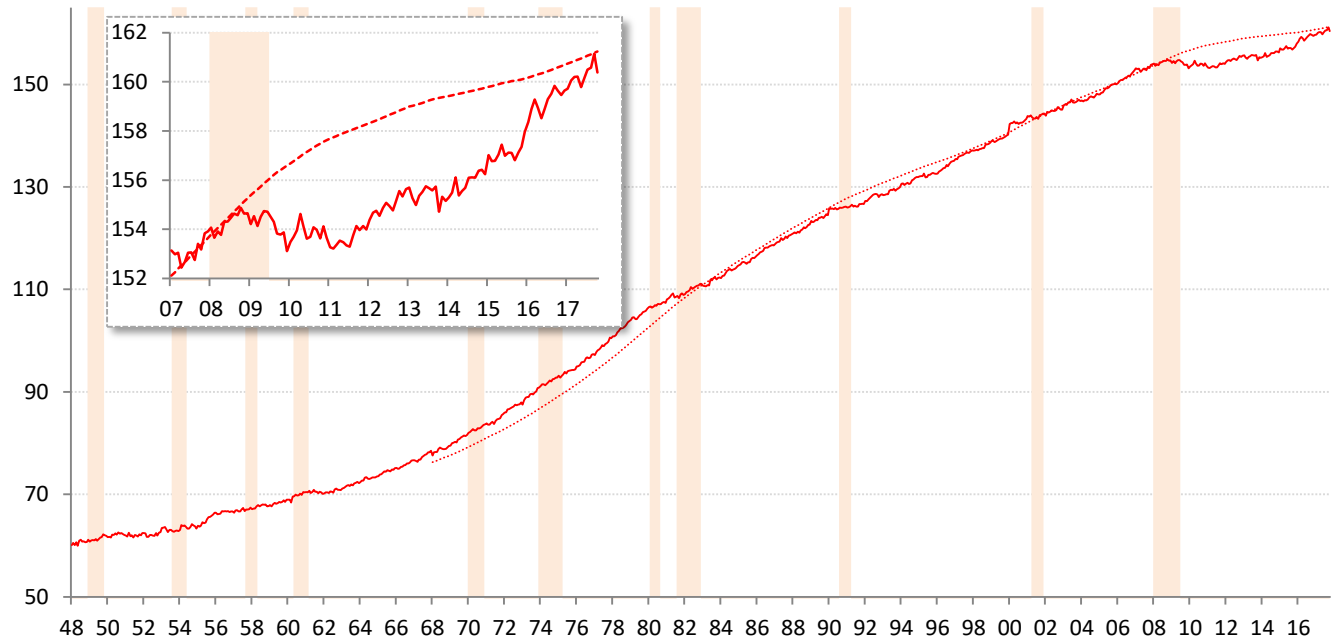
Source: BLS Productivity and Costs (quarterly) and Current Employment Stats (recent monthly), TrendMacro calcs

Difference in employment change: "household" minus "payroll" surveys ■ Recession



Source: BLS Current Population Survey and Current Employment Statistics, TrendMacro calculations

Civilian labor force versus 20-year trend, millions ■ Recession

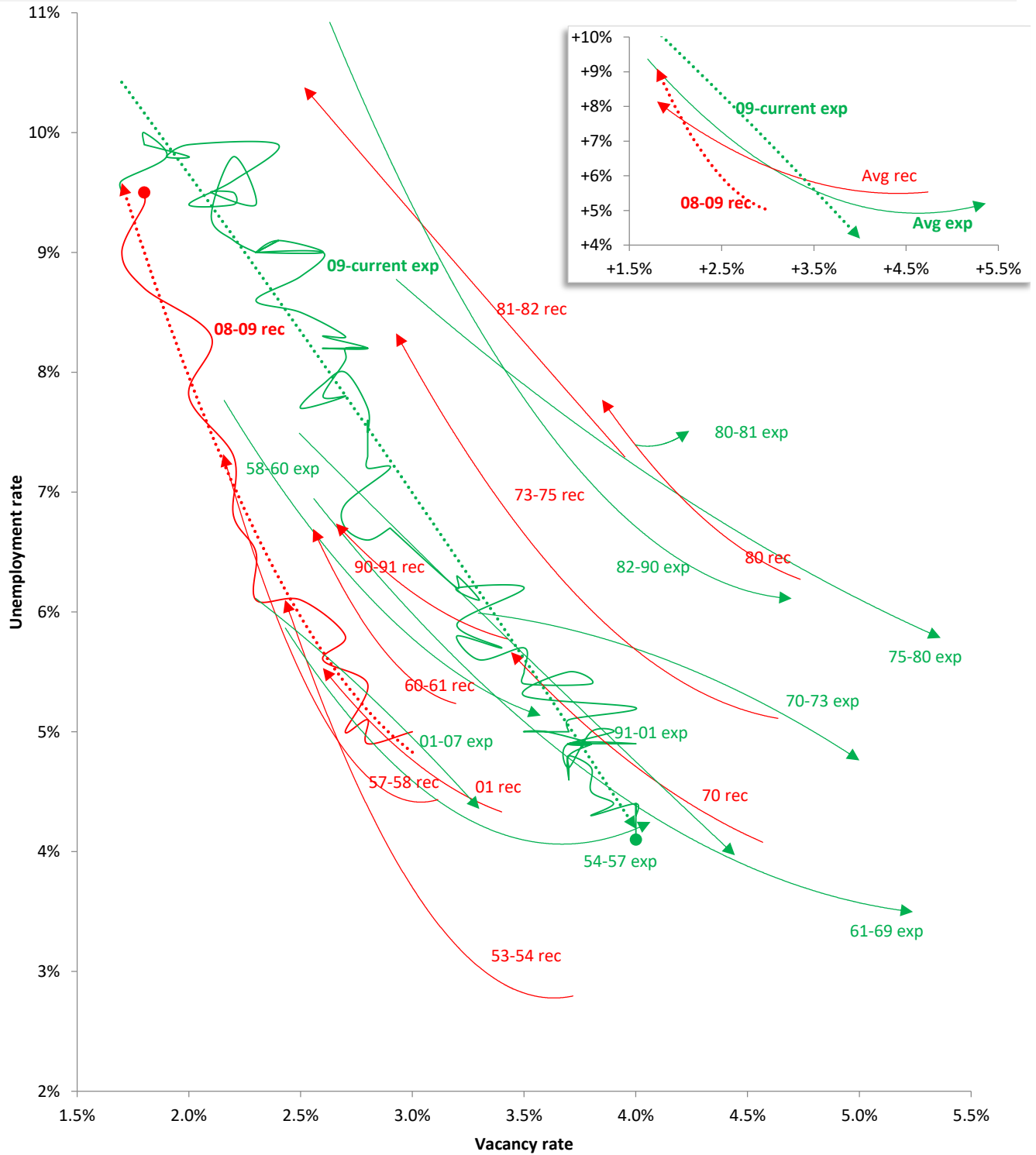


Source: BLS Current Population Survey, TrendMacro calculations



# The Beveridge Curve Cycle relationship between unemployment and job openings

— Expansion — Recession Polynomial trend (order 2), plus monthly plots for 09-current expansion • Latest



Source: BLS Current Population Survey & JOLTS. Pre-2000:Conference Board normalized per [Valletta \(2005\)](#), TrendMacro calculations