

November BEA Advisory Committee Meeting

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Underestimating investment intechnology and productivity growth

- "Enterprise information and communications technology software pricing and developer productivity measurement" by Martin Fleming
 - Big changes in information and communication technology (ICT) since 2000
 - Price indices should shift to measure a bundle of capital services prices
 - 2015-2021: current NIPA methodology for ICT found an average annual decline of -2%; this paper's new estimate found -6.4% (an additional decline of 4.4 percentage points)
 - this means that investment spending, productivity growth and real GDP growth have been underestimated
 - GDP growth: 0.1 percentage point underestimate
- Integrate BEA data with IDC data (been around for 60 years)



Oherissues

- GenAl adoption by businesses
 - Variation by industry
 - Pulse survey likely underestimating
 - Relationship between investment and productivity
- GenAl requirements for energy grids
 - Stressing existing grids at same time as extreme weather events increasing in intensity and impacting grids
 - Growth in data centers
 - Geographically dispersed (e.g., northern Virginia and northern California)



Thankyou

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