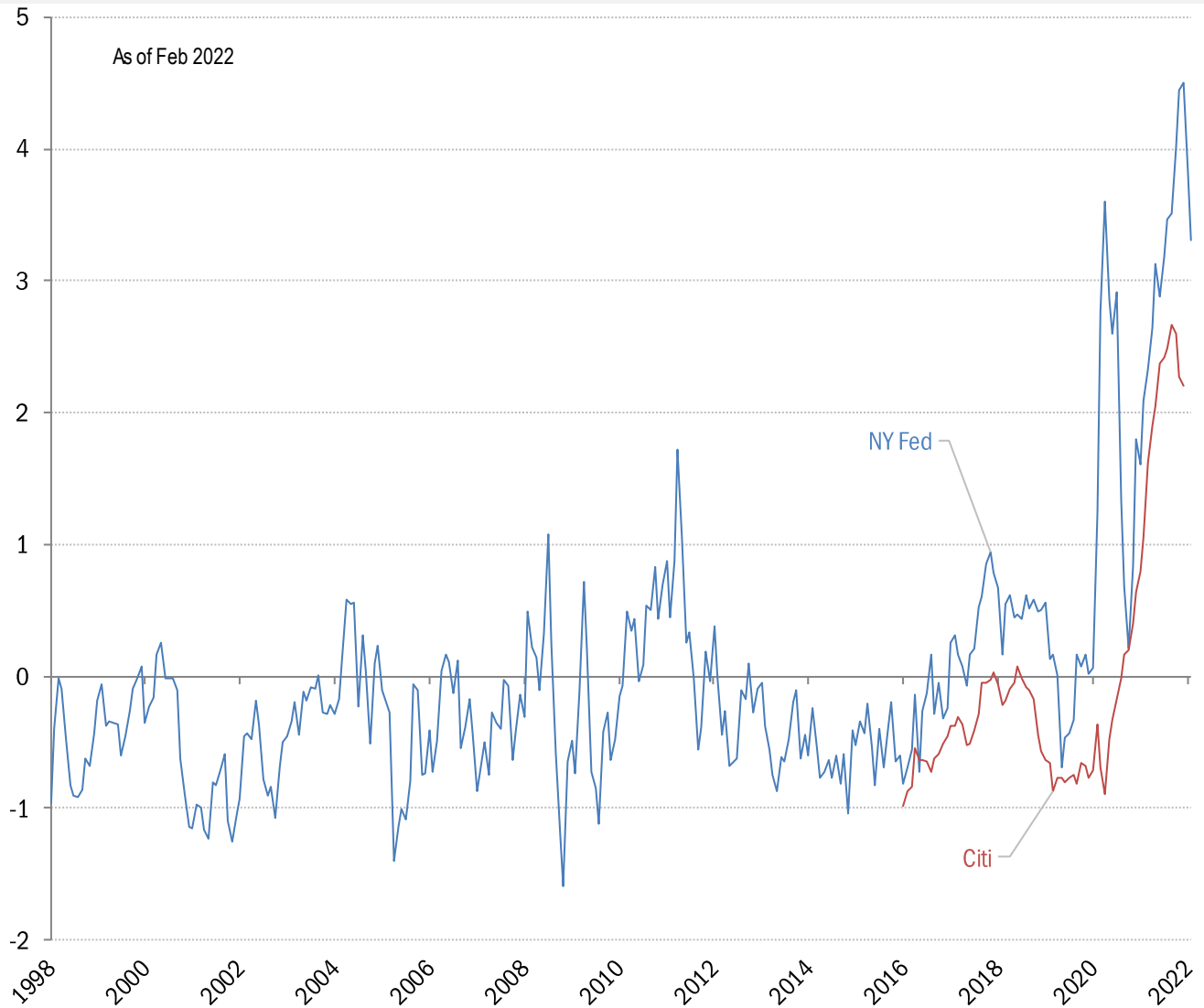


Data Insights: Supply Chain Stress Monitor

Wednesday, March 16, 2022

Supply chain pressure indices

Standard deviations from average



Source: [New York Fed](#), Bloomberg, TrendMacro calculations

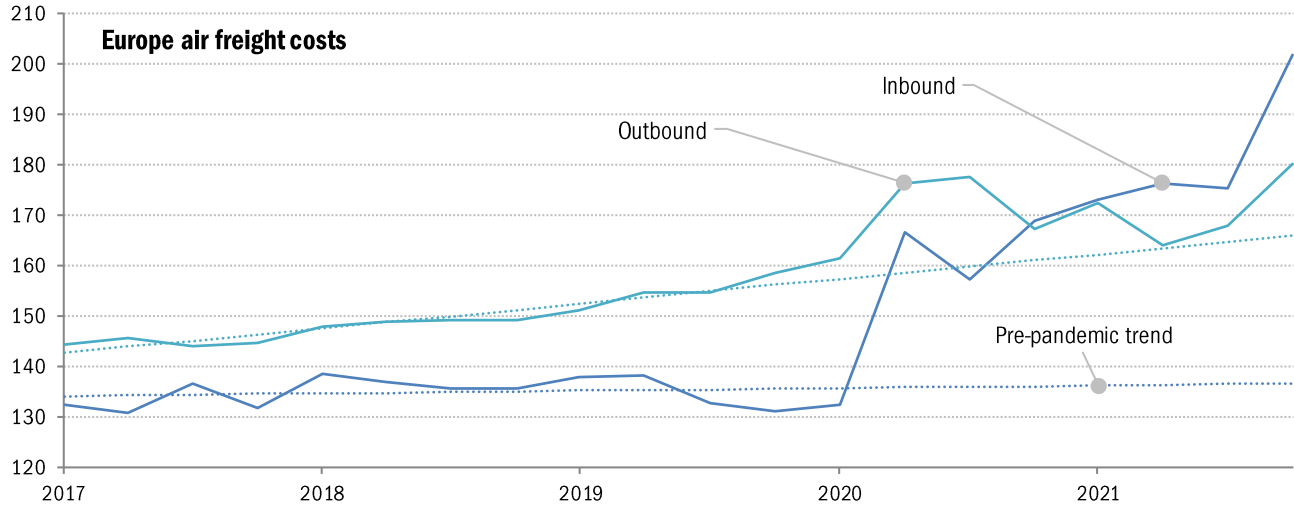
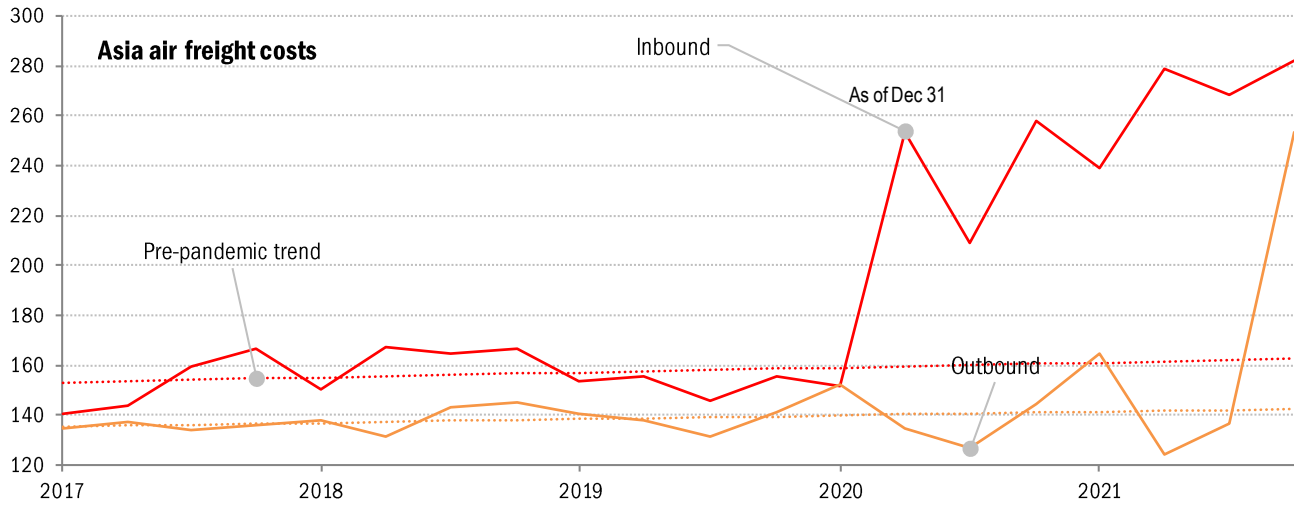
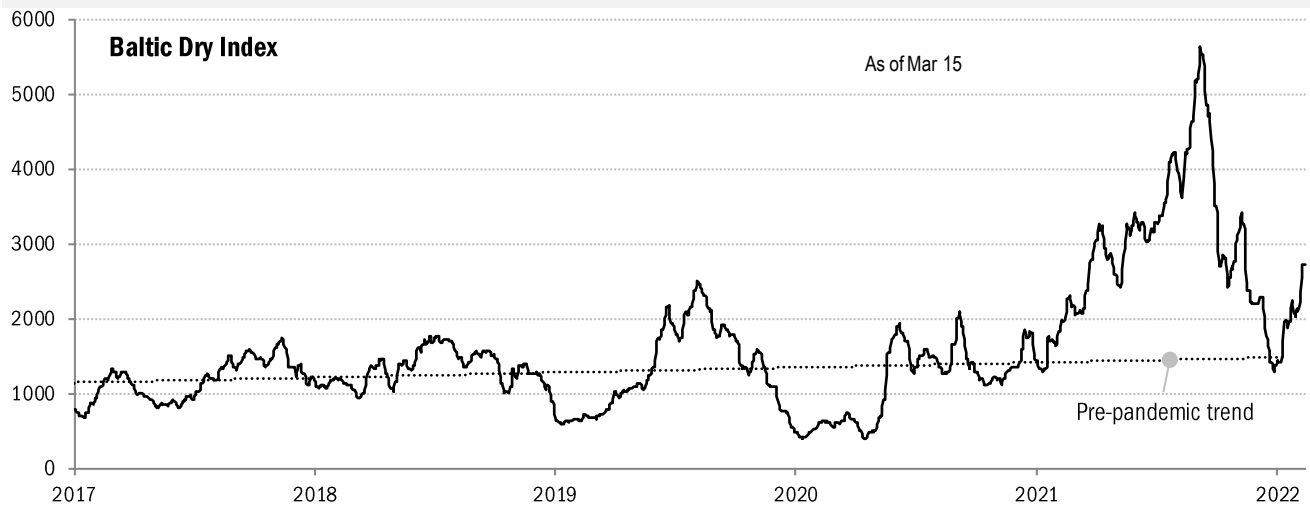
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Global transportation costs

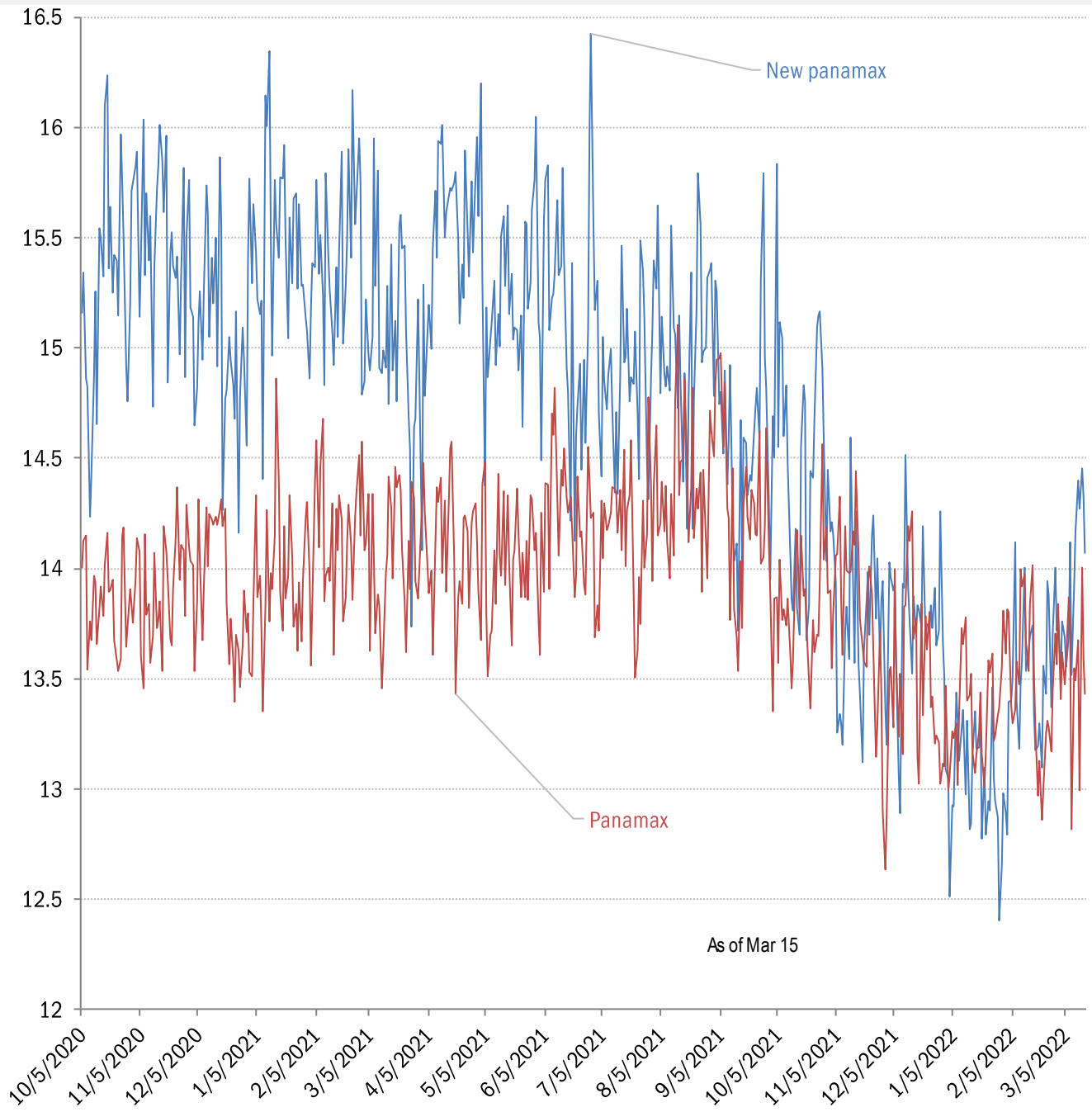
Index points



Source: Bloomberg, [BLS](#), TrendMacro calculations

Container shipping speed

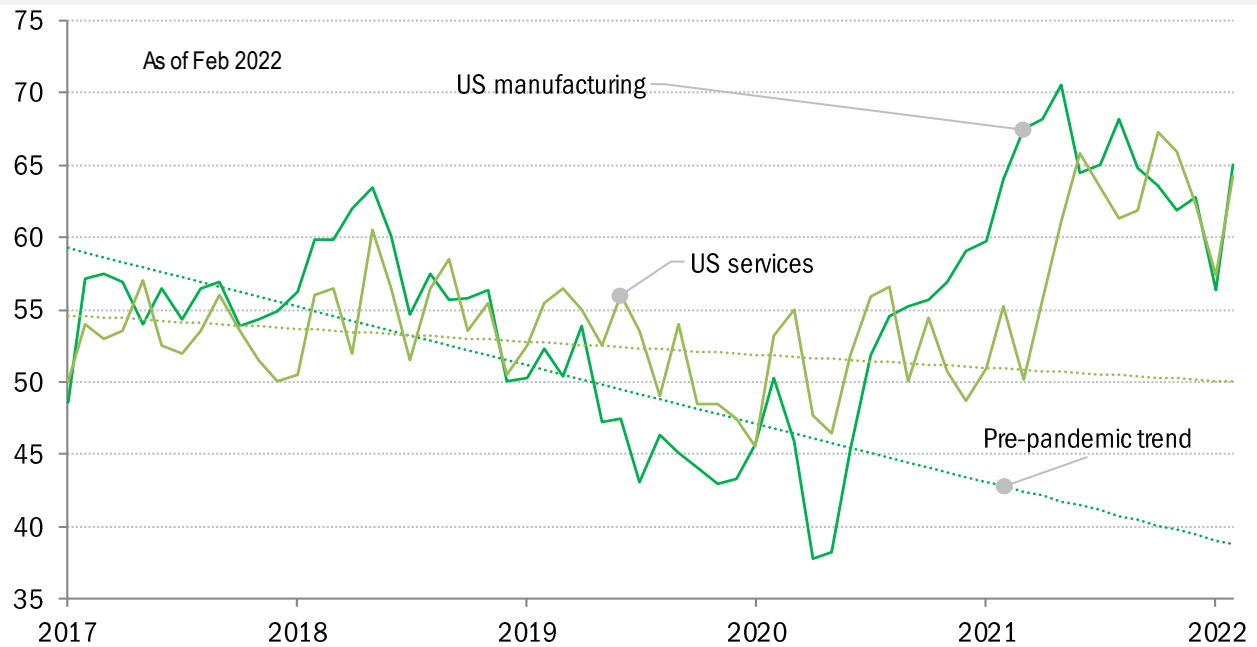
Slower speed indicates congested ports



Source: Bloomberg, TrendMacro calculations

US purchasing managers index: backlog of orders growing

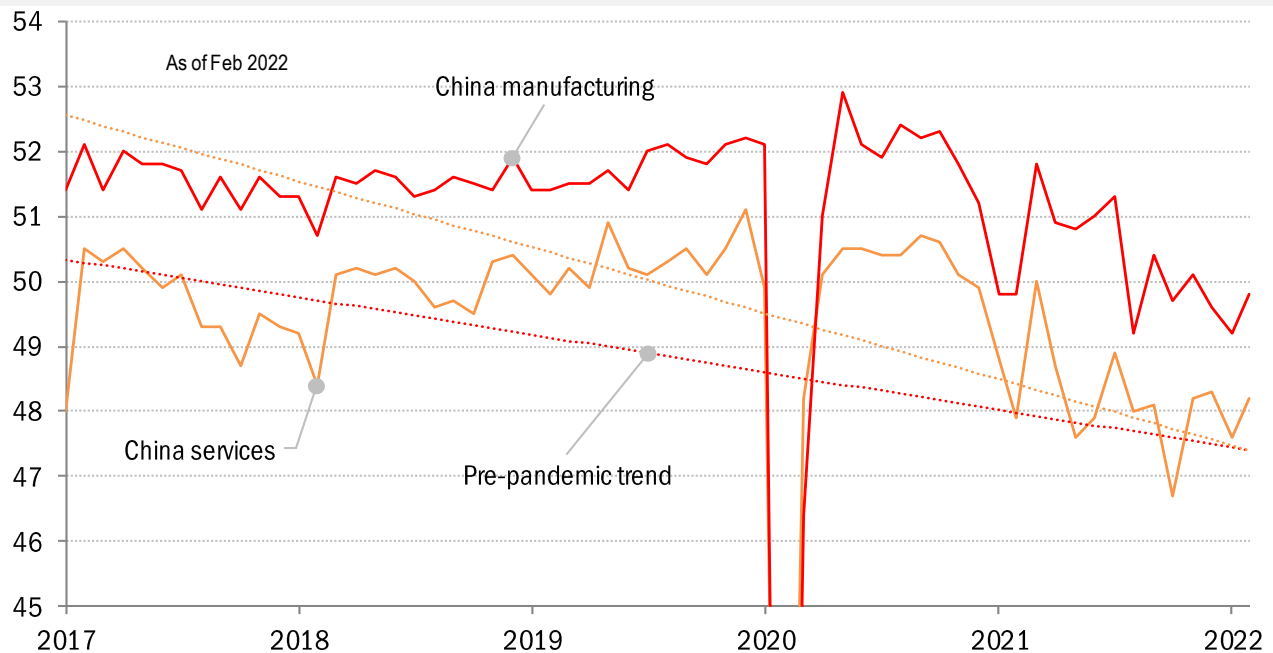
Diffusion index



Source: [ISM](#), TrendMacro calculations

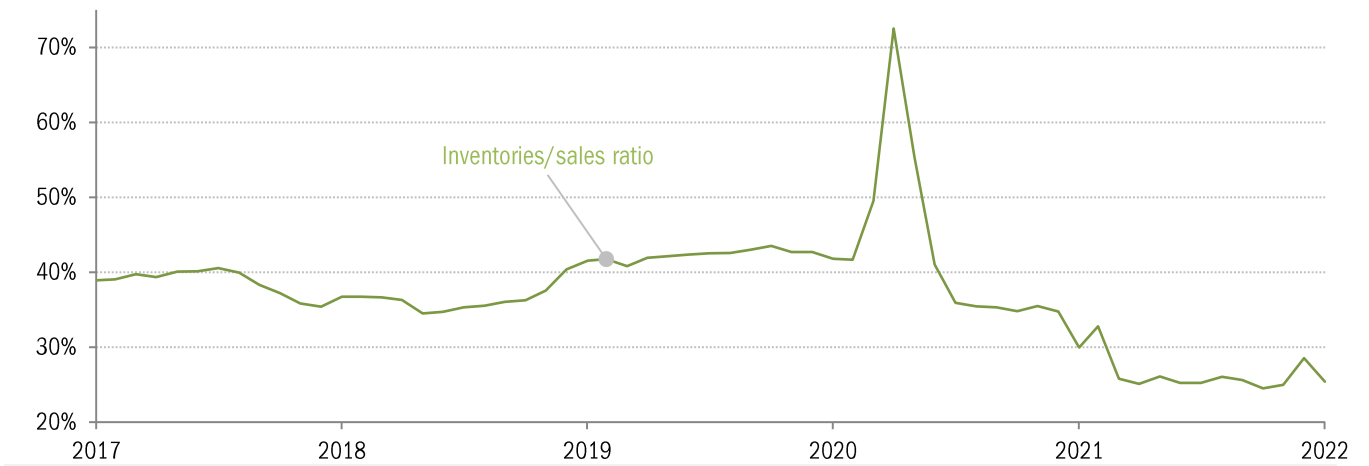
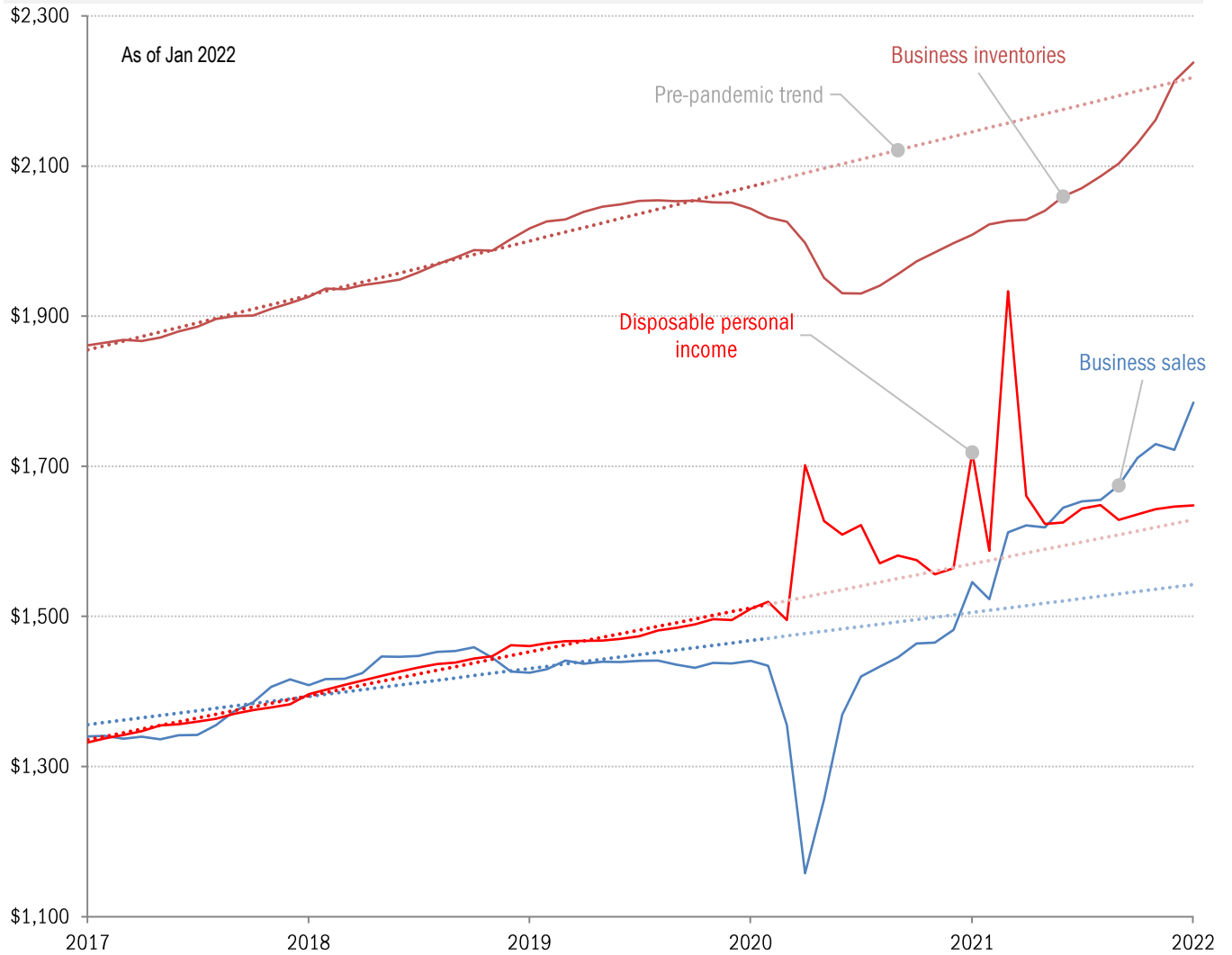
China purchasing managers index: improving time-to-delivery from suppliers

Diffusion index



Source: [China Federation of Logistics & Purchasing](#), TrendMacro calculations

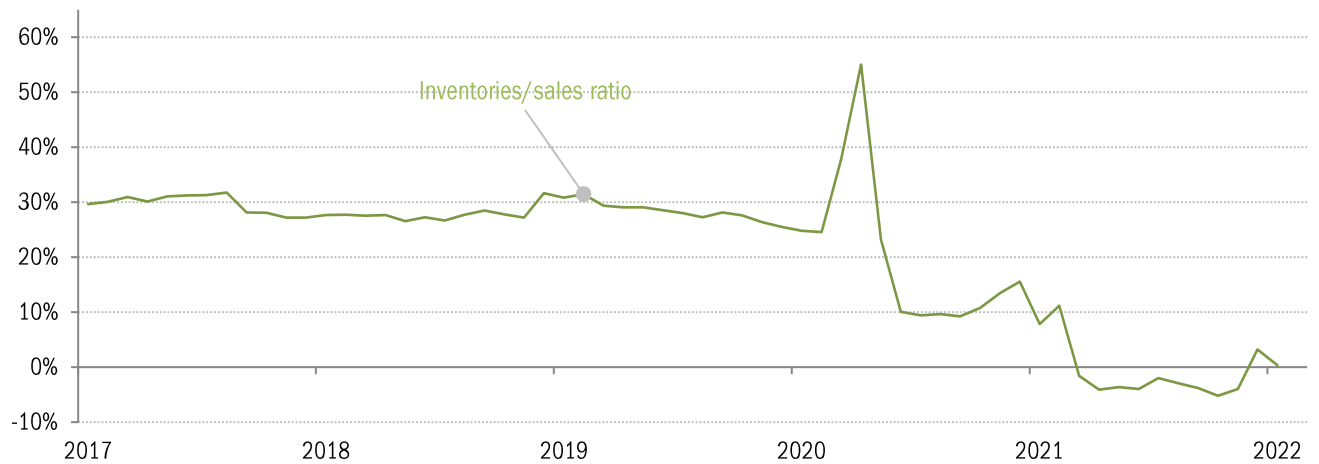
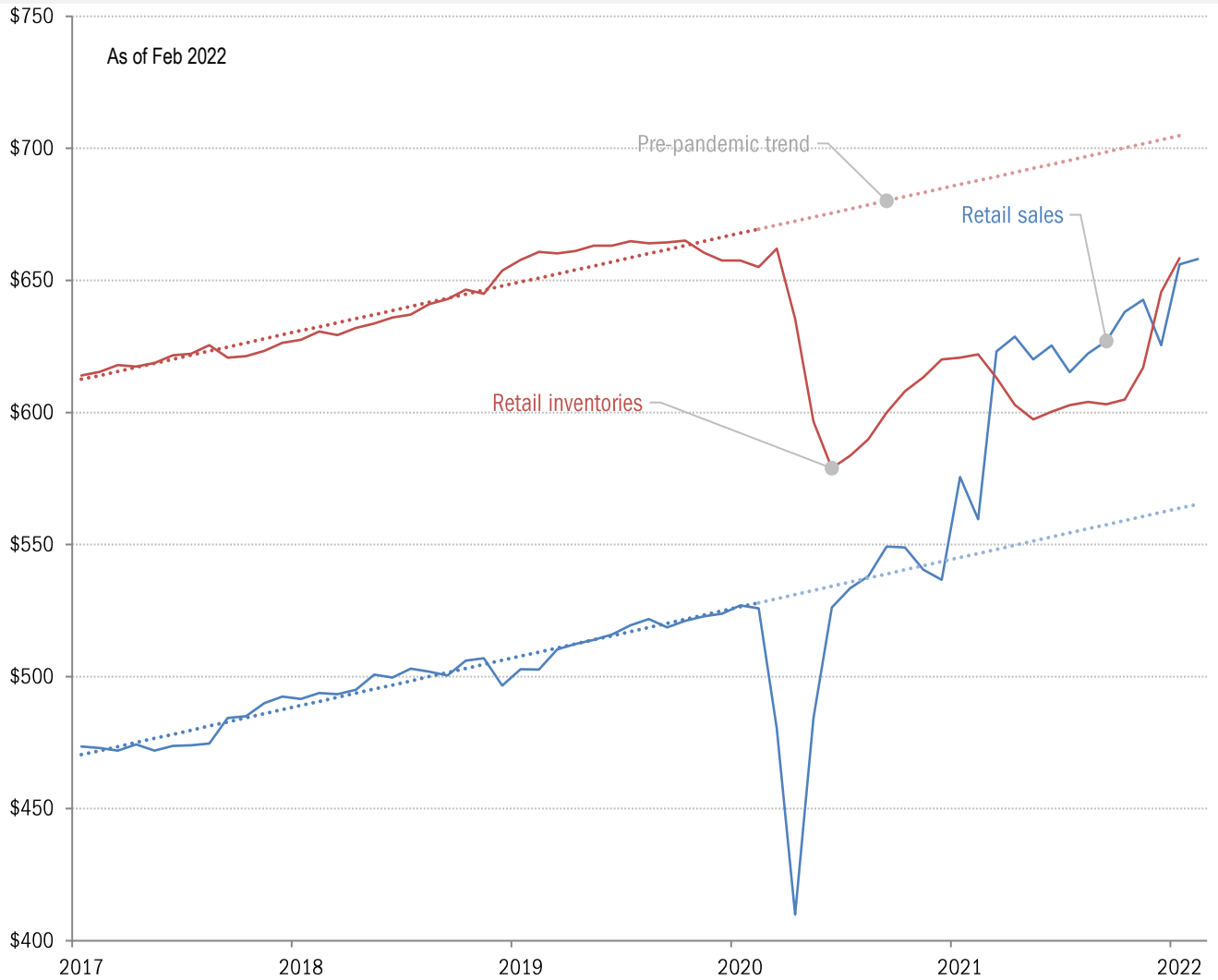
The ecosystem: **manufacturing and trade** sales and inventories vs personal income
 USD billions (DPI normalized to sale levels)



Source: [Census Bureau](#), [BEA](#), TrendMacro calculations

The Main Street sub-ecosystem: retail sales and inventories

USD billions

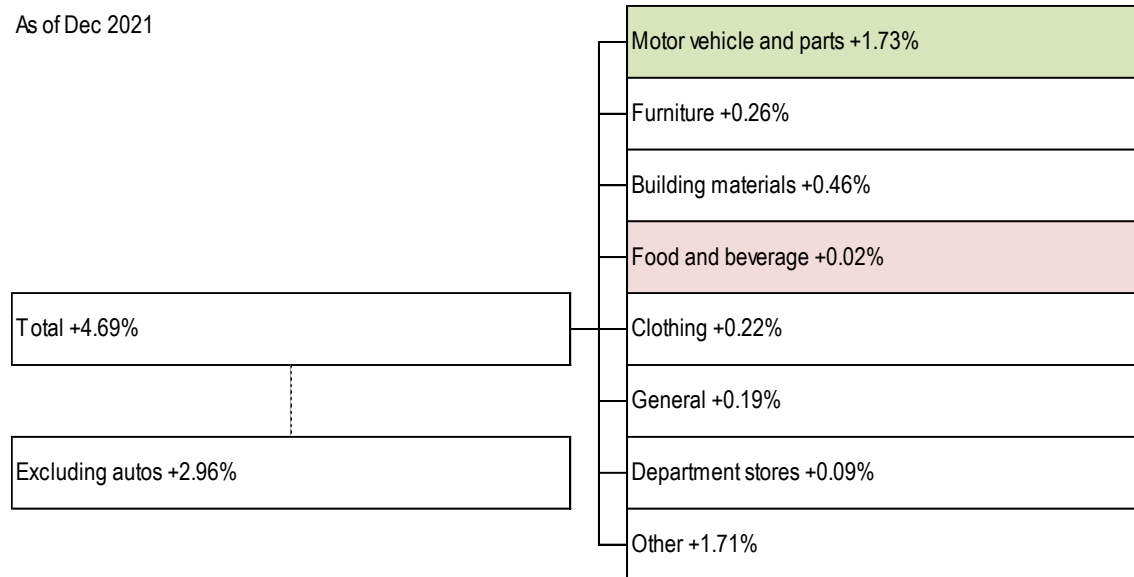


Source: [Census Bureau](#), TrendMacro calculations

Retail inventories – where did the growth come from?

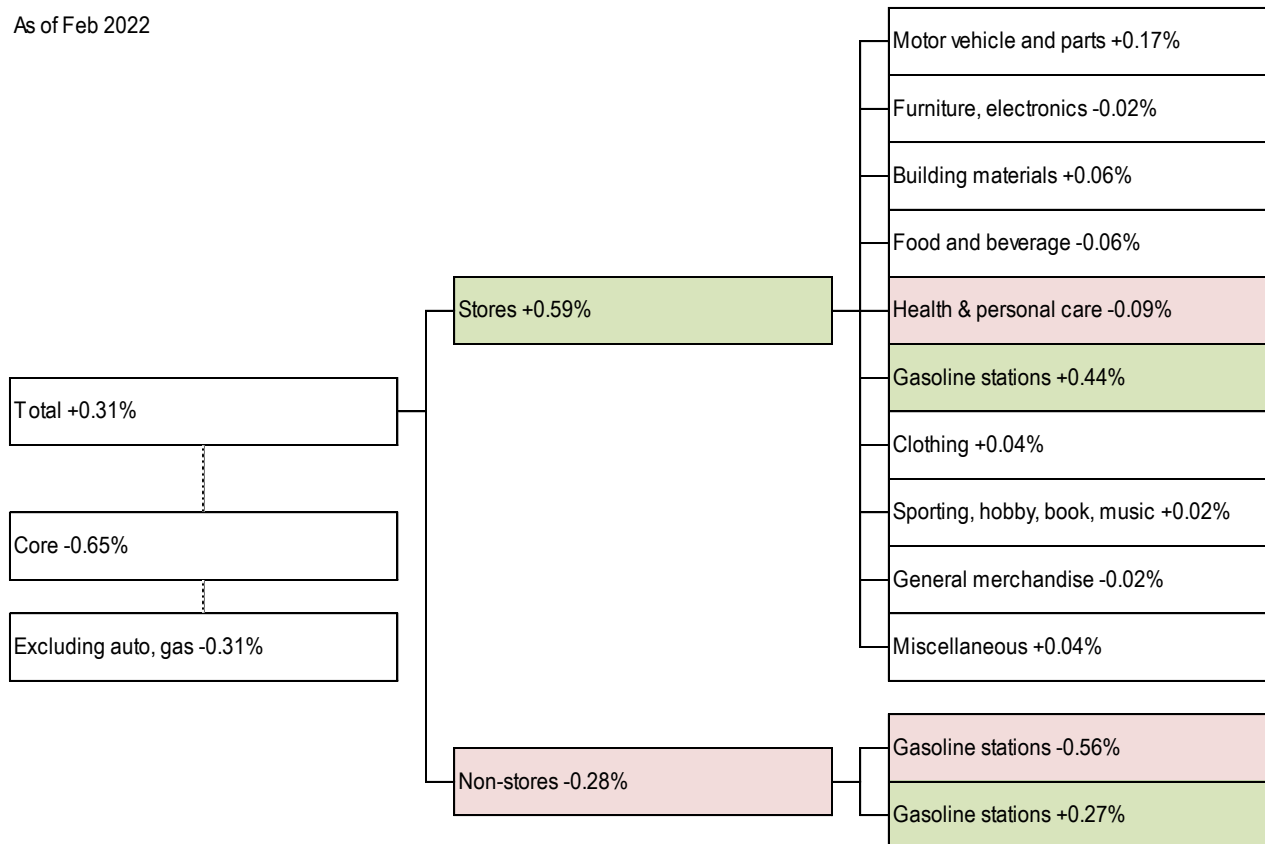
Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

As of Dec 2021



Retail sales – where did the growth come from?

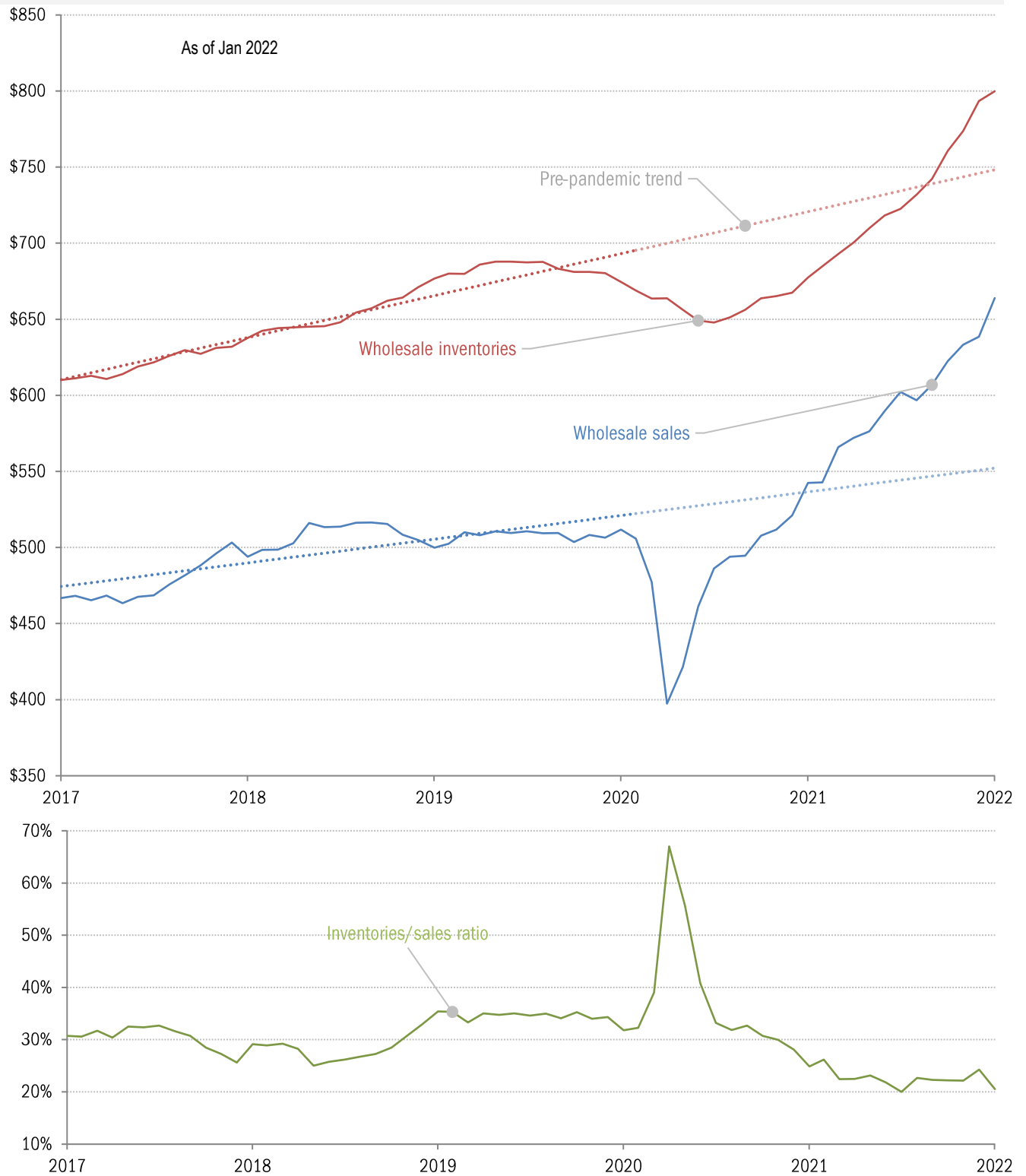
As of Feb 2022



Source: [Census Bureau](https://www.census.gov), TrendMacro calculations

The backstage sub-ecosystem: wholesale sales and inventories

USD billions

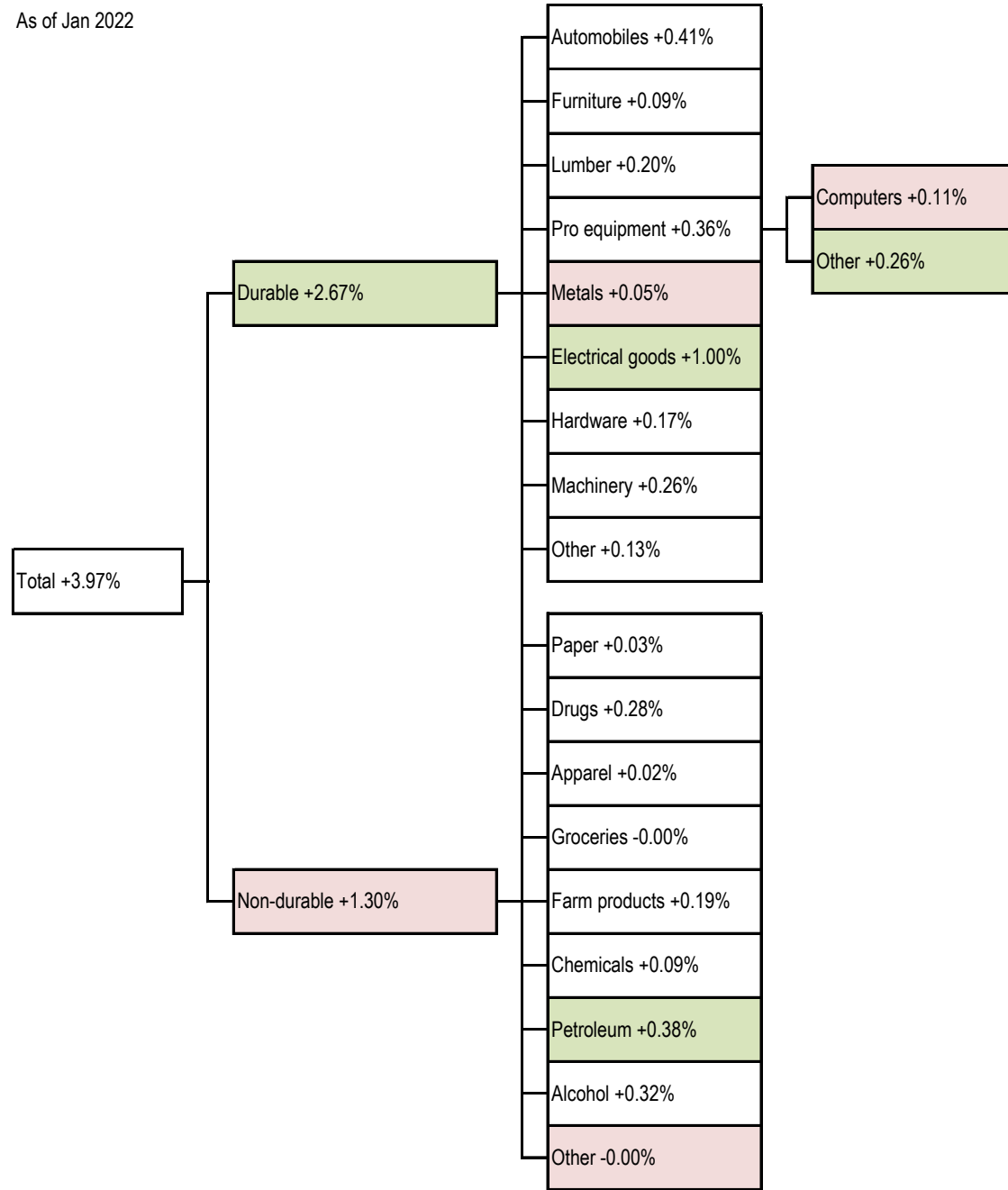


Source: [Census Bureau](#), TrendMacro calculations

Wholesale sales -- where did the growth come from?

Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

As of Jan 2022

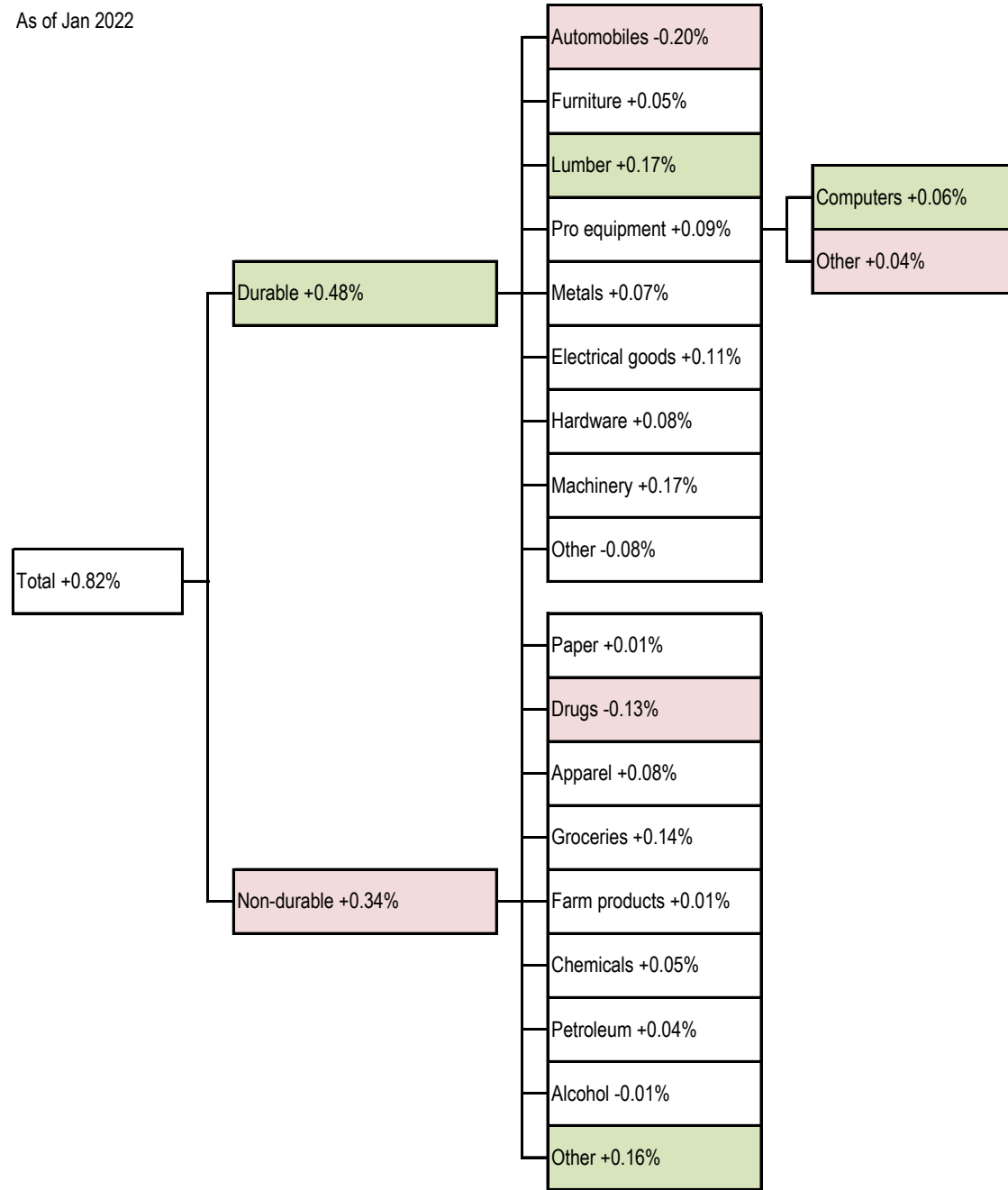


Source: [Census Bureau](#), TrendMacro calculations

Wholesale inventories -- where did the growth come from?

Contributions to nominal, sequential month change, SA Biggest change per detail-level: ■ positive ■ negative

As of Jan 2022



Source: [Census Bureau](https://www.census.gov)