

Index

Business Cycle World and by Countries

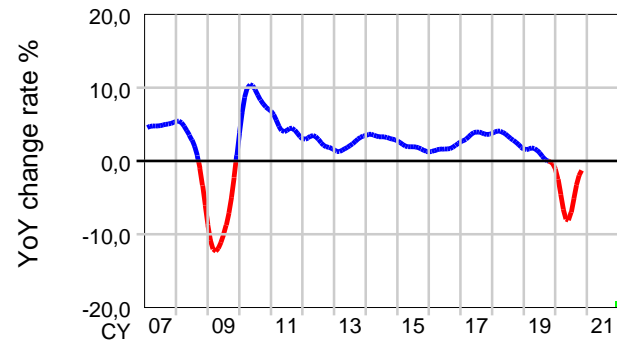
European Countries

- Germany
- France
- United Kingdom
- Italy
- Austria
- Spain
- Netherlands
- Sweden
- Czechia
- Poland
- Hungary

World Industry



World Industrial Production
Monthly X13 Trend YoY Change Rate



Source: CPB Netherlands Bureau for Economic Policy Analysis

Asian Countries

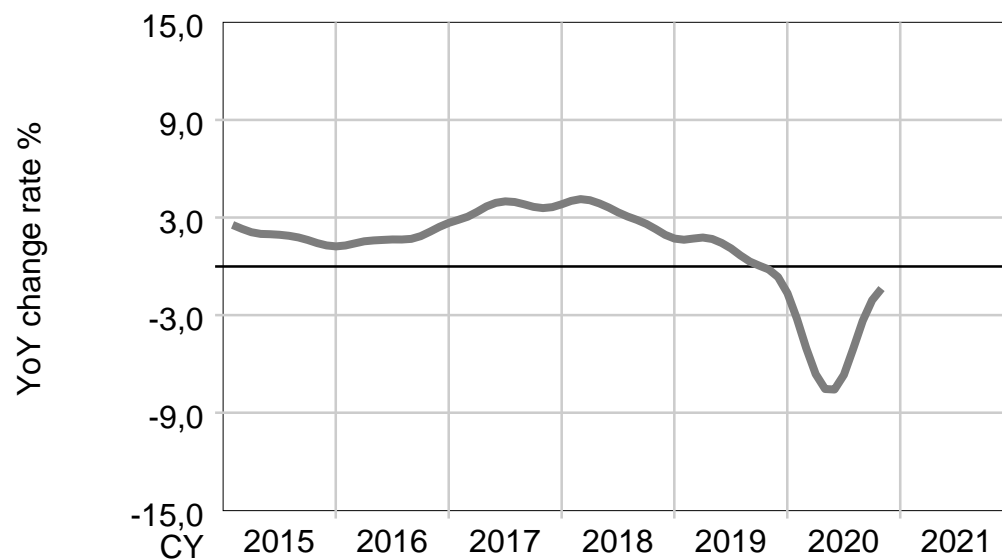
- China
- Japan
- South Korea

- **USA**

World: Business Cycle Total Industry



World Industrial Production World Total X13 Trend YoY Change Rate

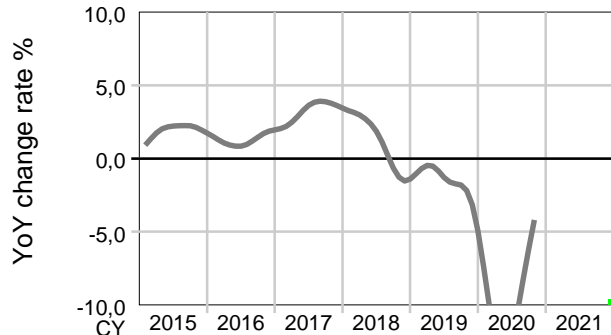


Source: CPB Netherlands Bureau for Economic Policy Analysis

Business Cycle Euro Area, USA, Emerging Economies and Latin America



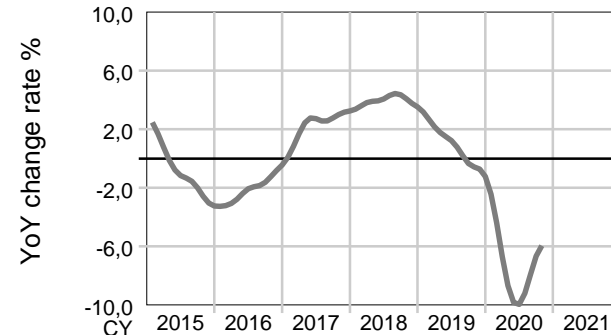
**World Industrial Production
Euro Area X13 Trend YoY Change Rate**



Source: CPB Netherlands Bureau for Economic Policy Analysis



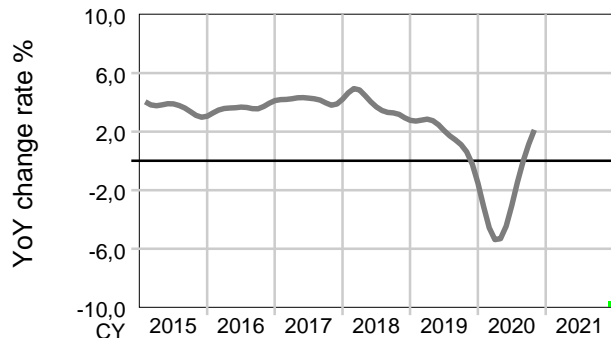
**World Industrial Production
USA X13 Trend YoY Change Rate**



Source: CPB Netherlands Bureau for Economic Policy Analysis



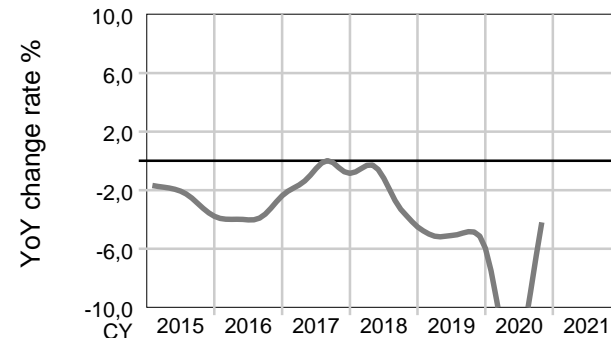
**World Industrial Production
Emerging Economies X13 Trend YoY Change Rate**



Source: CPB Netherlands Bureau for Economic Policy Analysis



**World Industrial Production
Latin America X13 Trend YoY Change Rate**

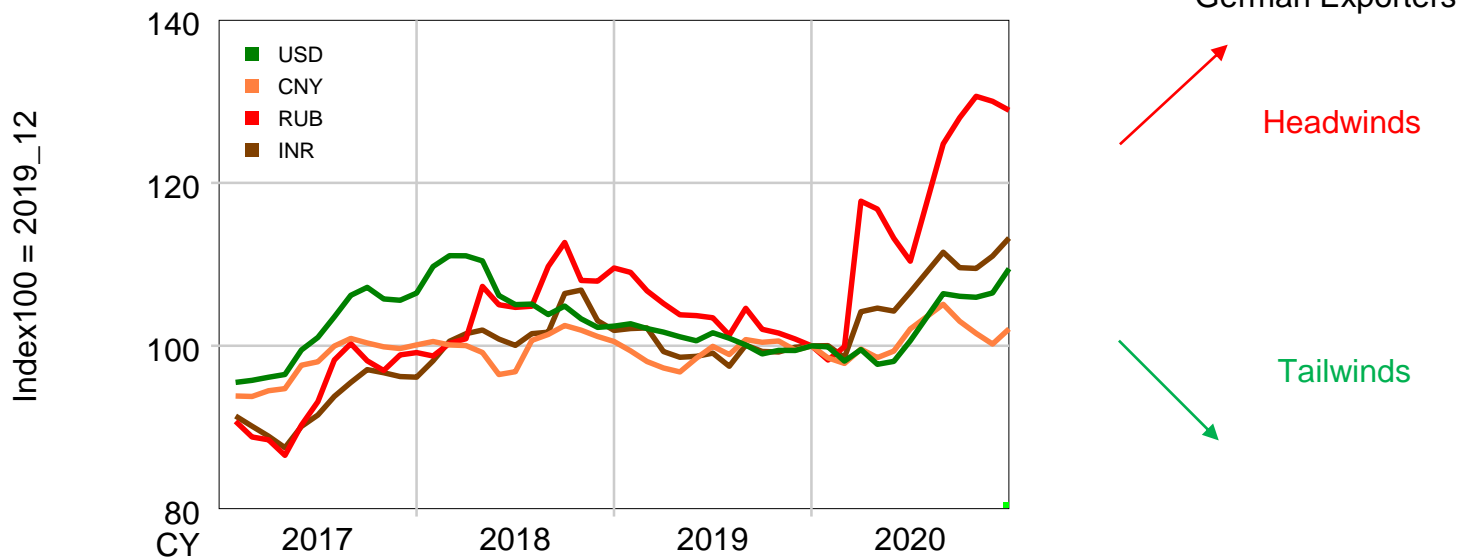


Source: CPB Netherlands Bureau for Economic Policy Analysis

Influence of Currencies for German Exporters



1 EUR in USD, CNY, RUB, INR
Index 2019_12 = 100



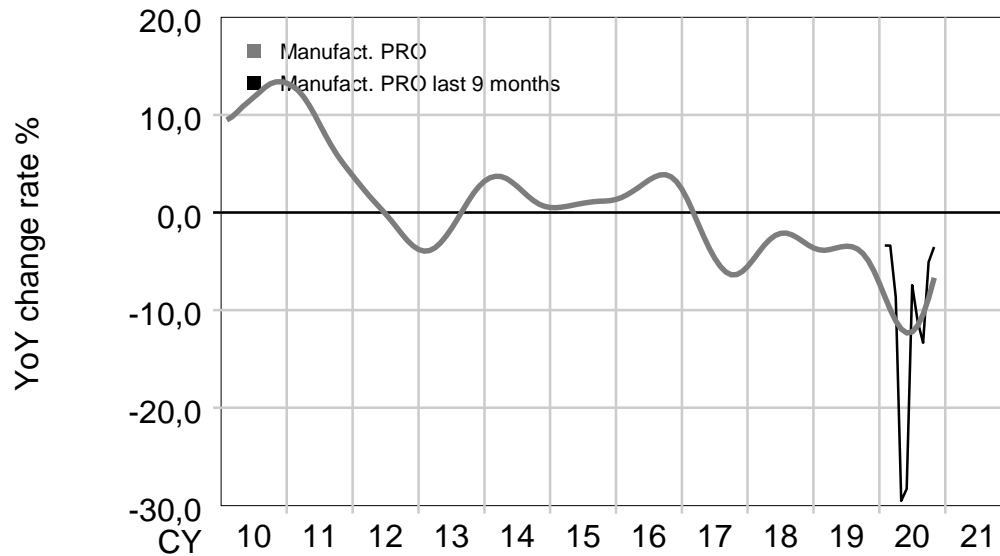
Source: European Central Bank Exchange Rate Service

Business Cycle Production: Germany

Total Manufacturing



Germany: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



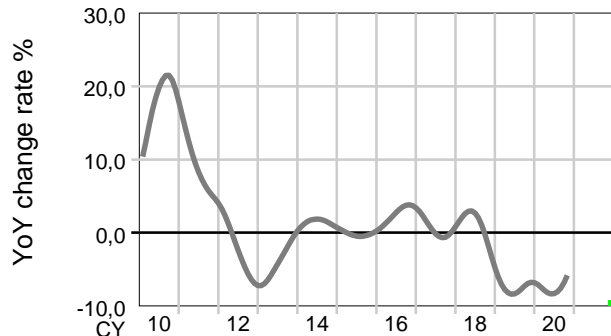
Source: Eurostat

Business Cycle Production: Germany

Discrete Manufacturing Industries



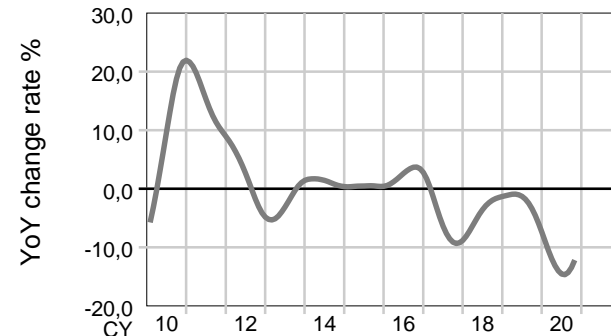
Germany: Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



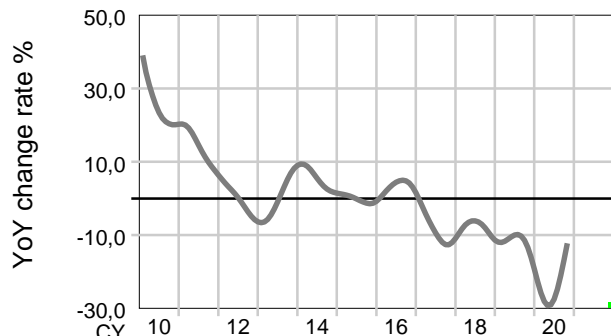
Germany: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



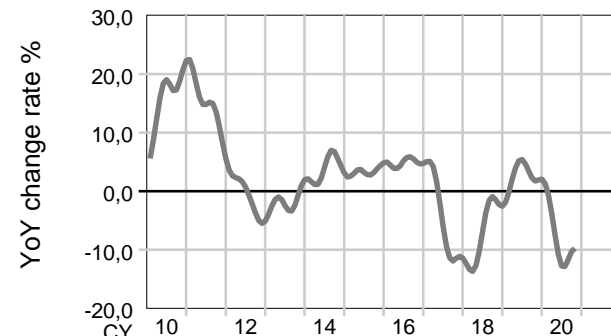
Germany: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



Germany: Electronics Production
Monthly Index X13 Trend YoY Change Rate

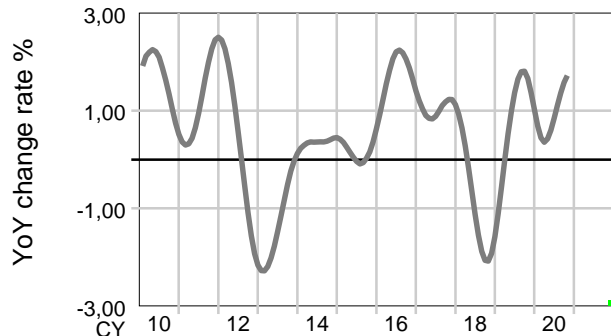


Source: Eurostat

Business Cycle Production: Germany Continually Manufacturing Industries



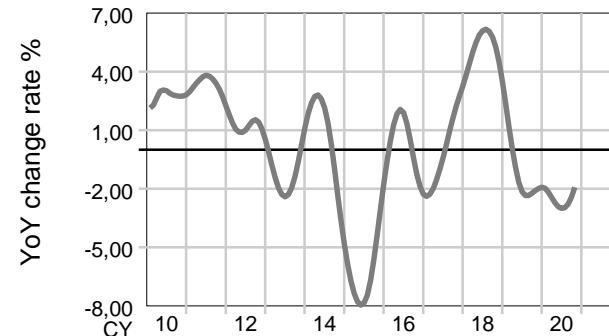
Germany: Food Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



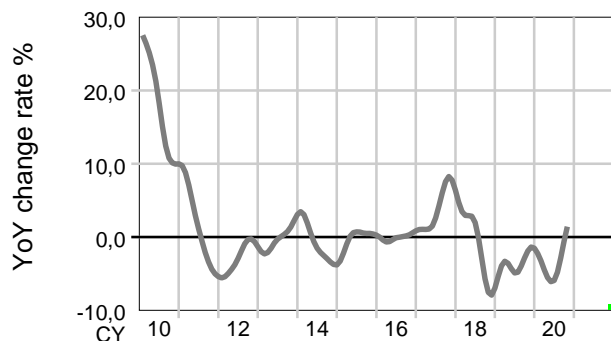
Germany: Beverages Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



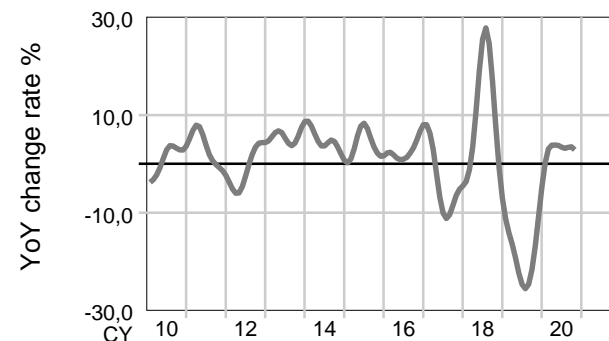
Germany: Chemicals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



Germany: Pharmaceuticals Production
Monthly Index X13 Trend YoY Change Rate



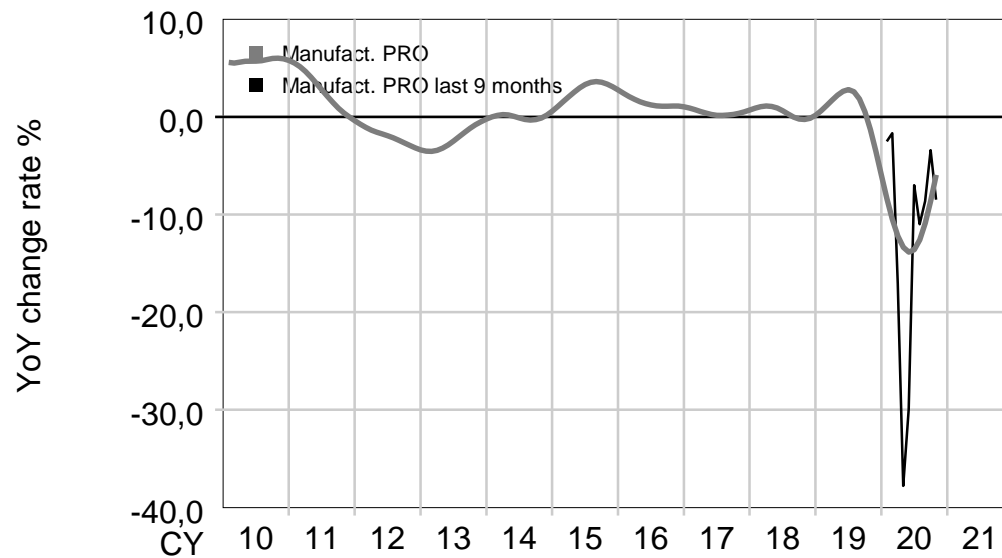
Source: Eurostat

Business Cycle Production: France

Total Manufacturing



France: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



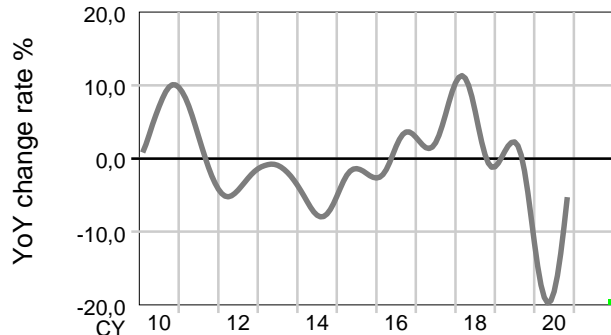
Source: Eurostat

Business Cycle Production: France

Discrete Manufacturing Industries



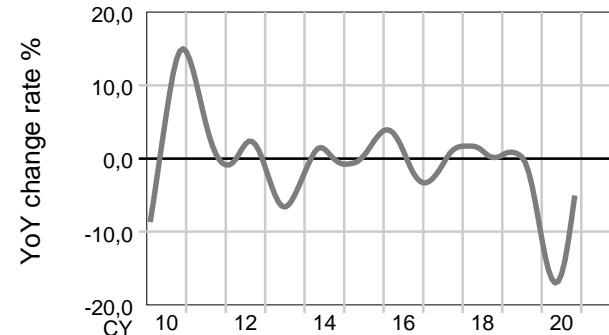
France: Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



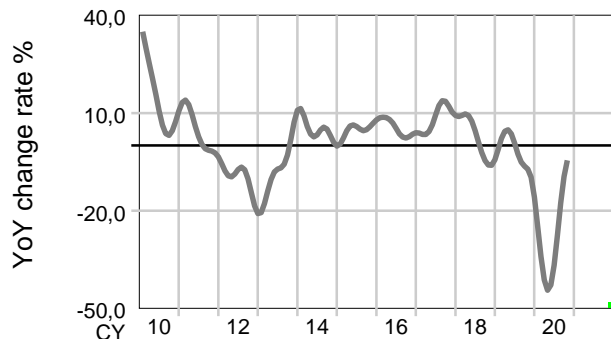
France: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



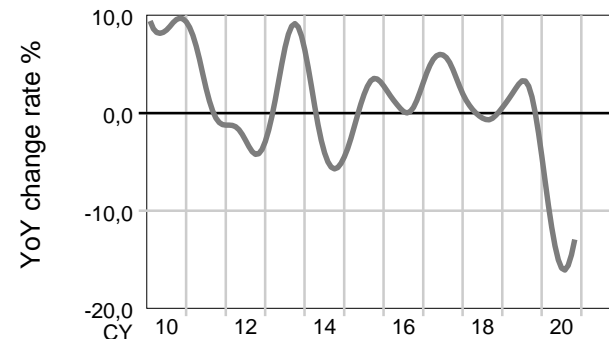
France: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



France: Electronics Production
Monthly Index X13 Trend YoY Change Rate

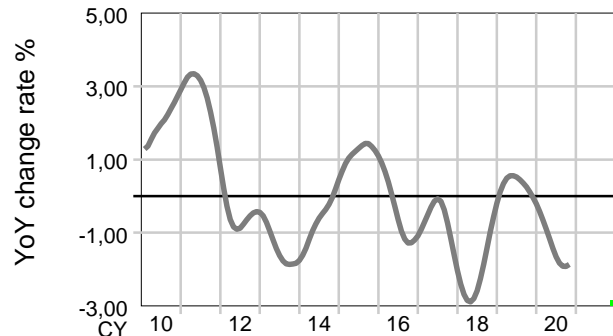


Source: Eurostat

Business Cycle Production: France Continually Manufacturing Industries



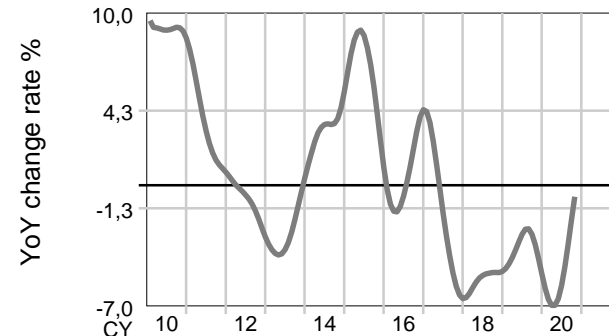
France: Food Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



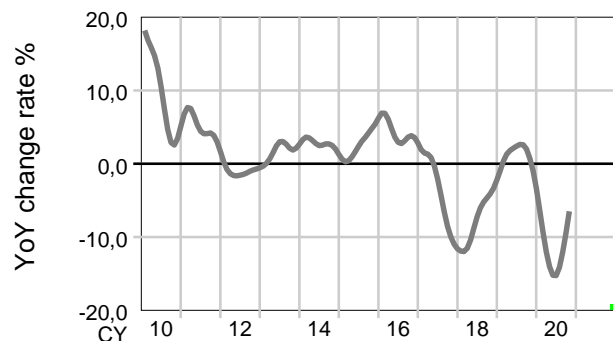
France: Beverages Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



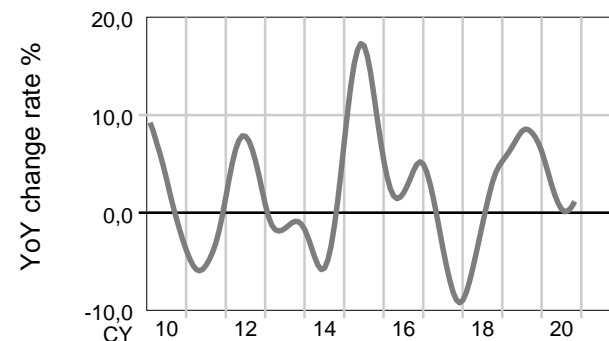
France: Chemicals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



France: Pharmaceuticals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat

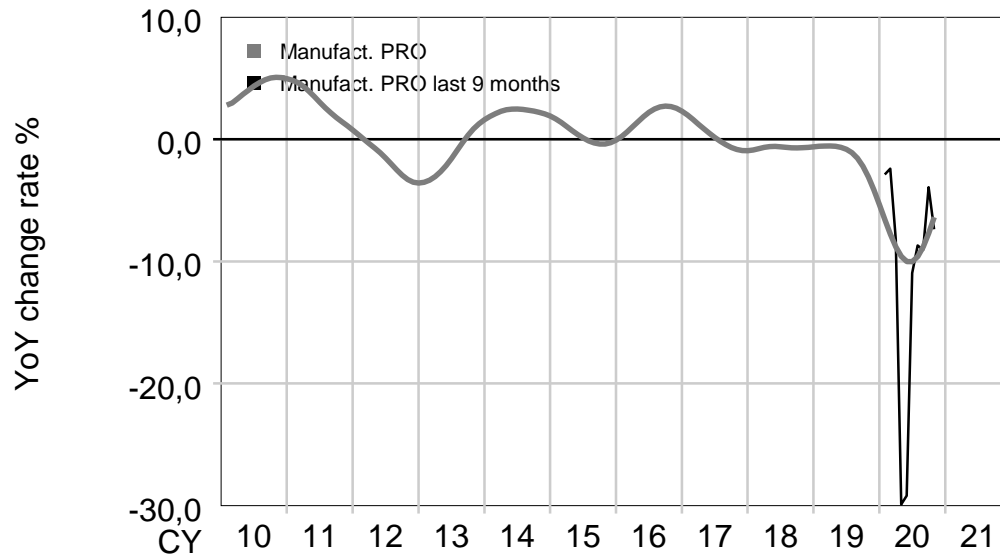
Business Cycle Production: United Kingdom

Total Manufacturing



UK: Manufacturing Production

Monthly Index X13 Trend YoY Change Rate



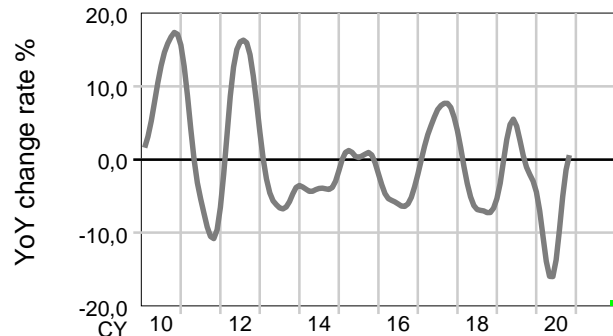
Source: Eurostat

Business Cycle Production: United Kingdom

Discrete Manufacturing Industries



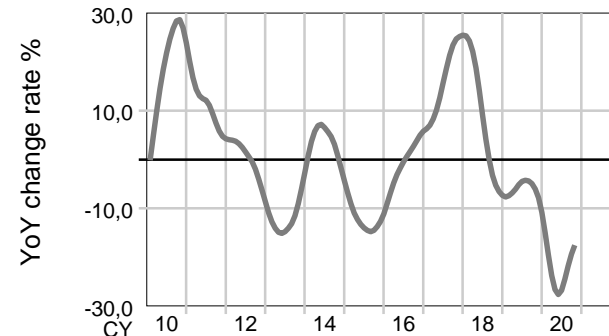
UK: Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



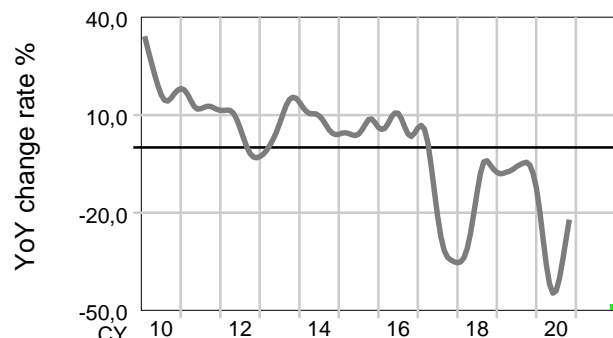
UK: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



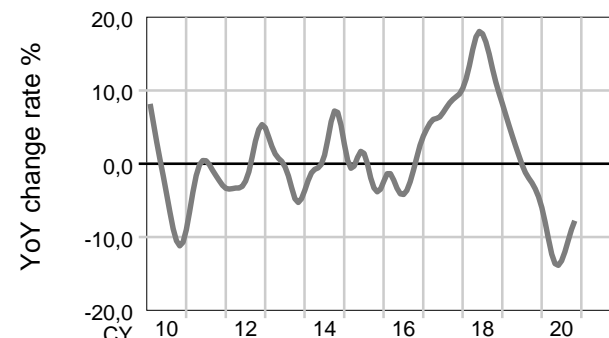
UK: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



UK: Electronics Production
Monthly Index X13 Trend YoY Change Rate



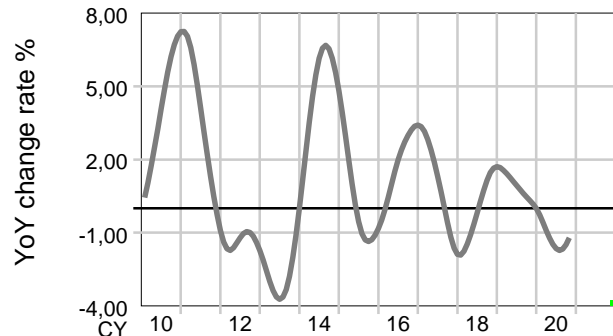
Source: Eurostat

Business Cycle Production: United Kingdom

Continually Manufacturing Industries



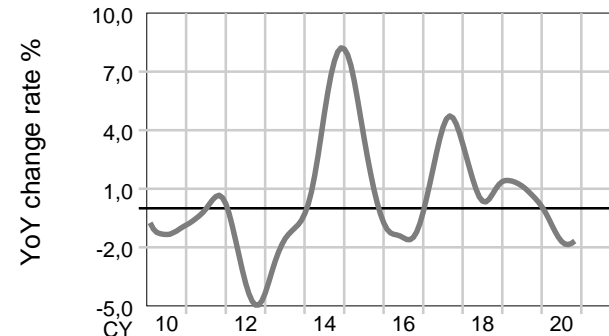
UK: Food Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



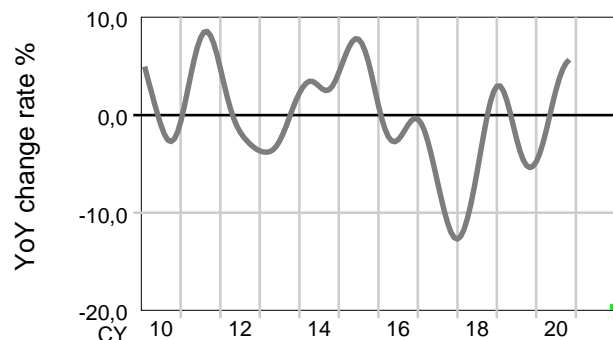
UK: Beverages Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



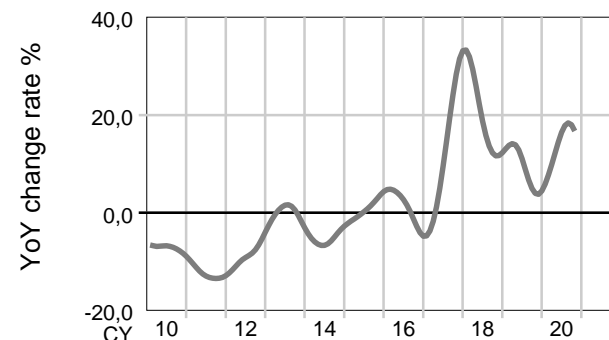
UK: Chemicals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



UK: Pharmaceuticals Production
Monthly Index X13 Trend YoY Change Rate



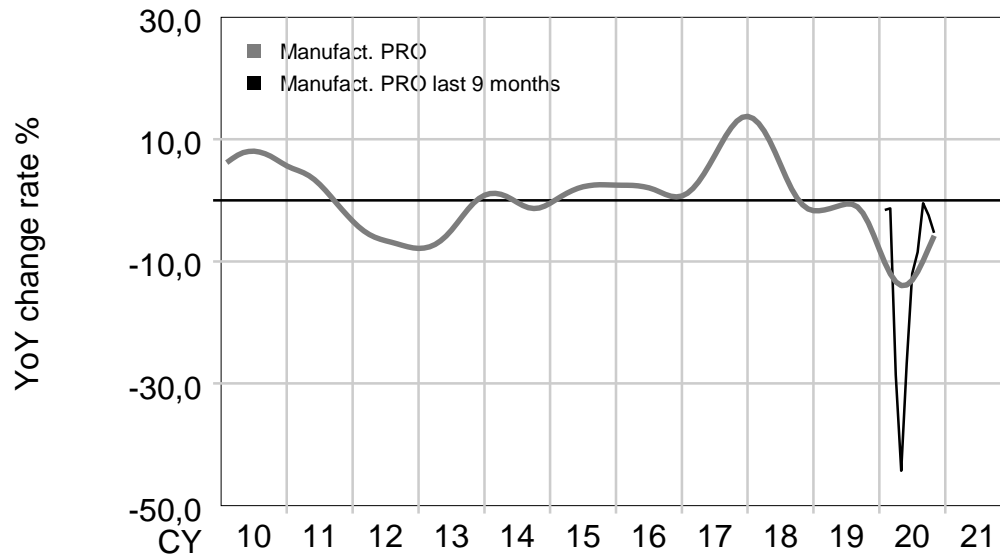
Source: Eurostat

Business Cycle Production: Italy

Total Manufacturing



Italy: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



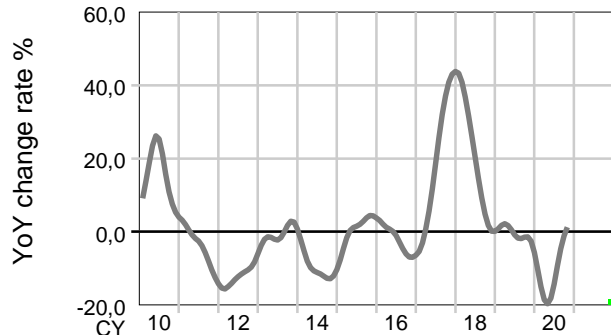
Source: Eurostat

Business Cycle Production: Italy

Discrete Manufacturing Industries



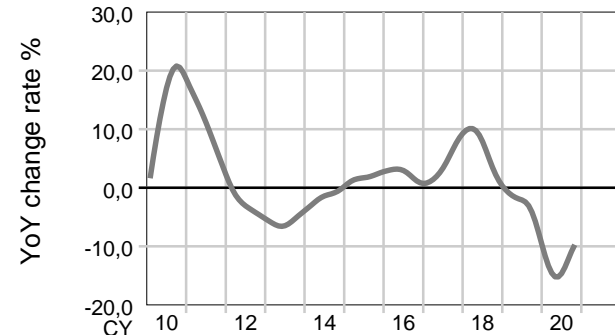
Italy: Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



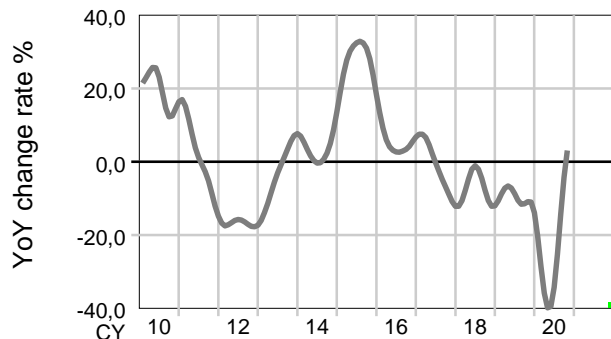
Italy: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



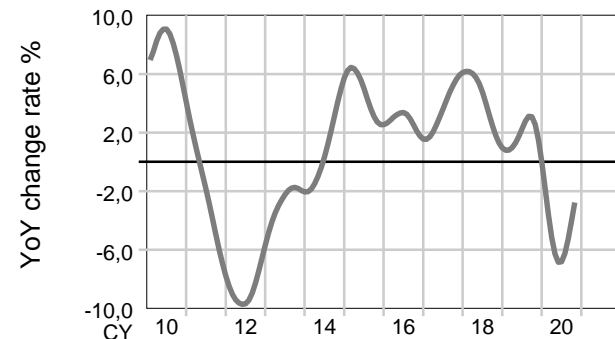
Italy: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



Italy: Electronics Production
Monthly Index X13 Trend YoY Change Rate



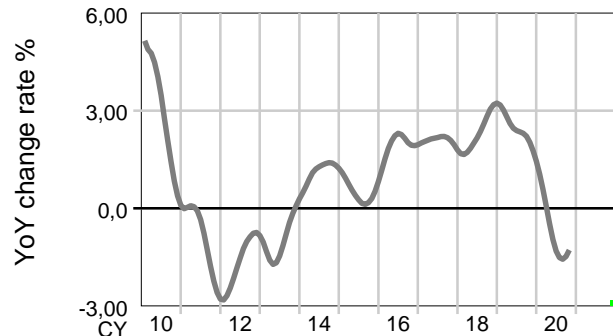
Source: Eurostat

Business Cycle Production: Italy

Continually Manufacturing Industries



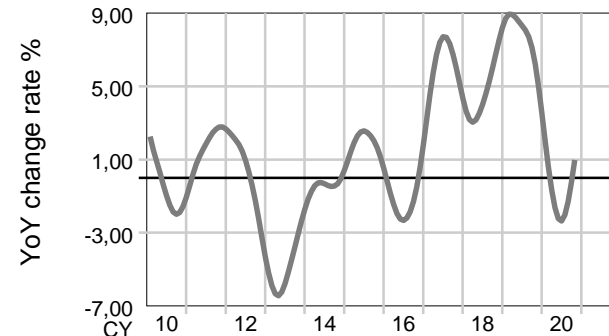
Italy: Food Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



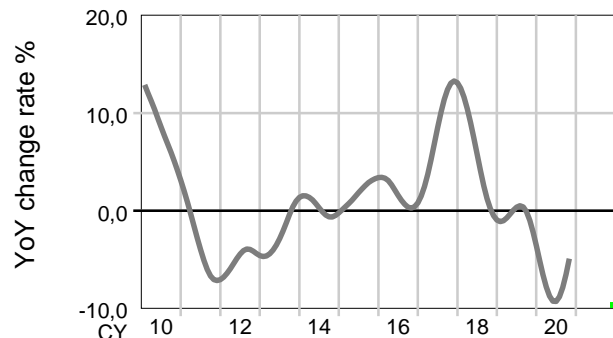
Italy: Beverages Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



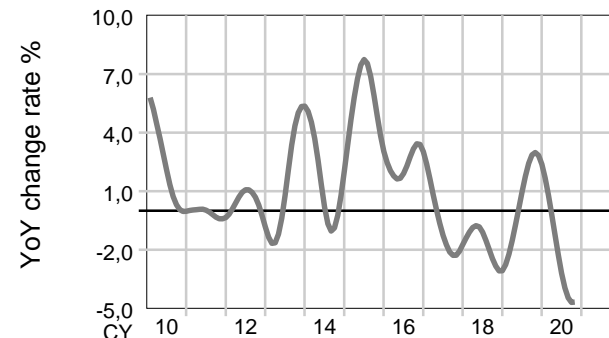
Italy: Chemicals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat



Italy: Pharmaceuticals Production
Monthly Index X13 Trend YoY Change Rate



Source: Eurostat

Weitere Länder Europa

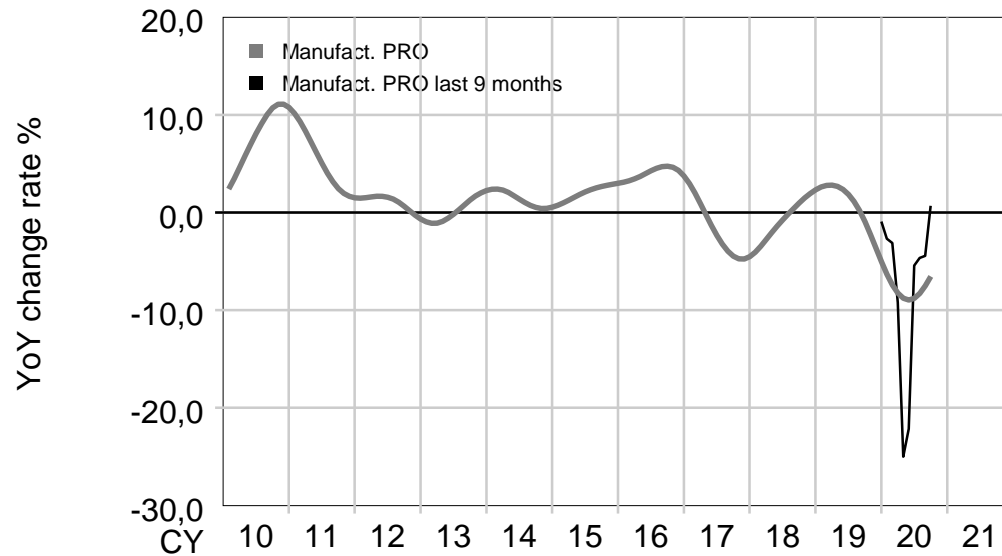
Business Cycle Production: Austria

Total Manufacturing



Manufact.

Austria: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



Source: Eurostat

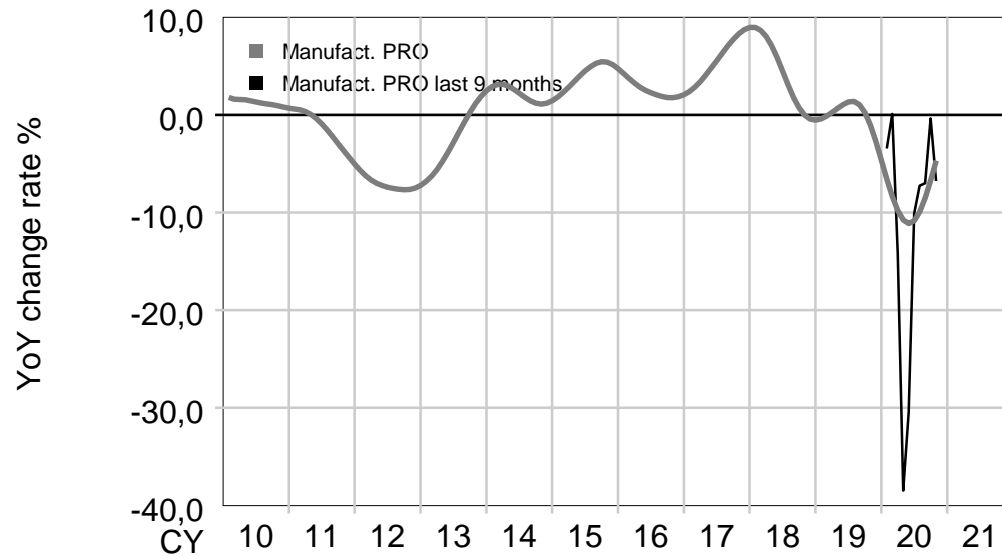
Business Cycle Production: Spain

Total Manufacturing



Manufact.

Spain: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



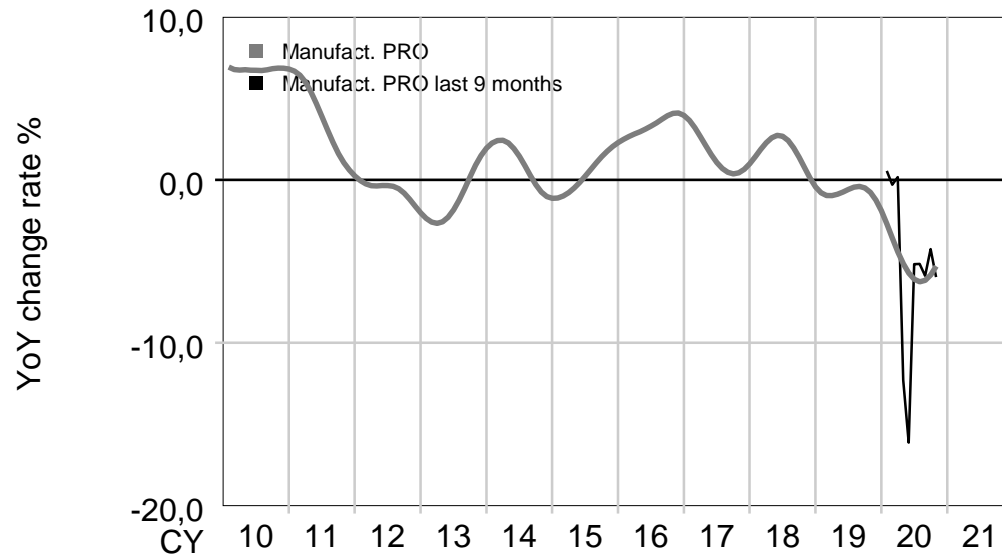
Source: Eurostat

Business Cycle Production: Netherlands

Total Manufacturing



Netherlands: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



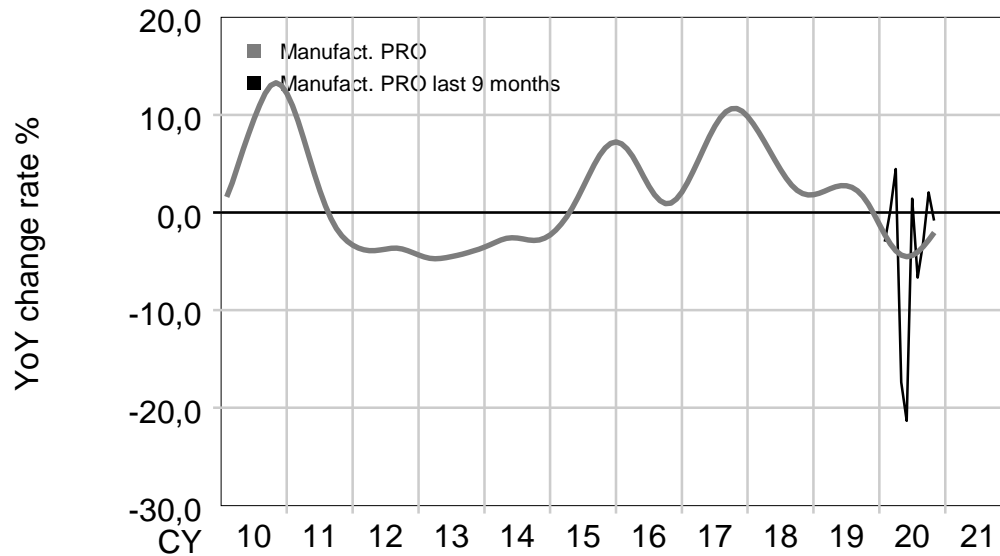
Source: Eurostat

Business Cycle Production: Sweden

Total Manufacturing



Sweden: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



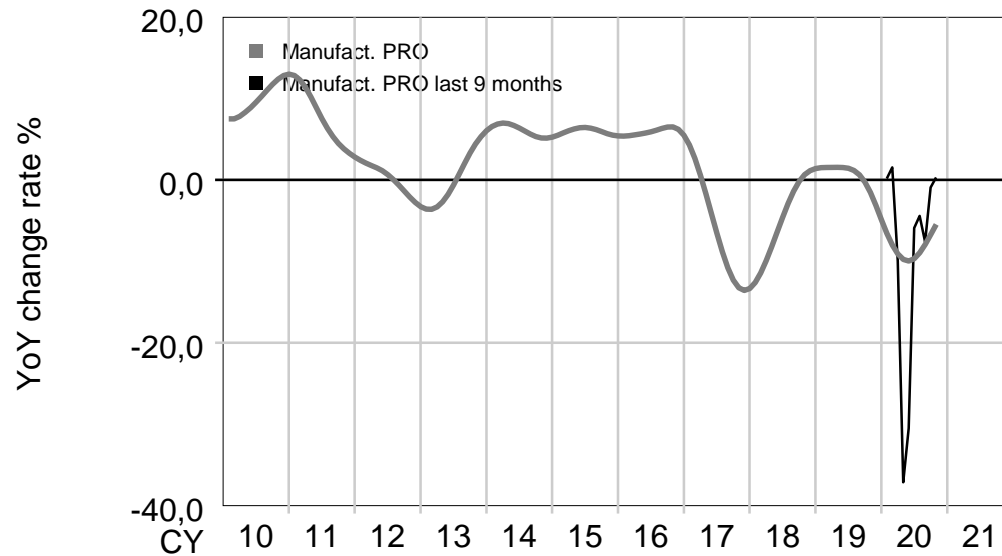
Source: Eurostat

Business Cycle Production: Czechia

Total Manufacturing



Czechia: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



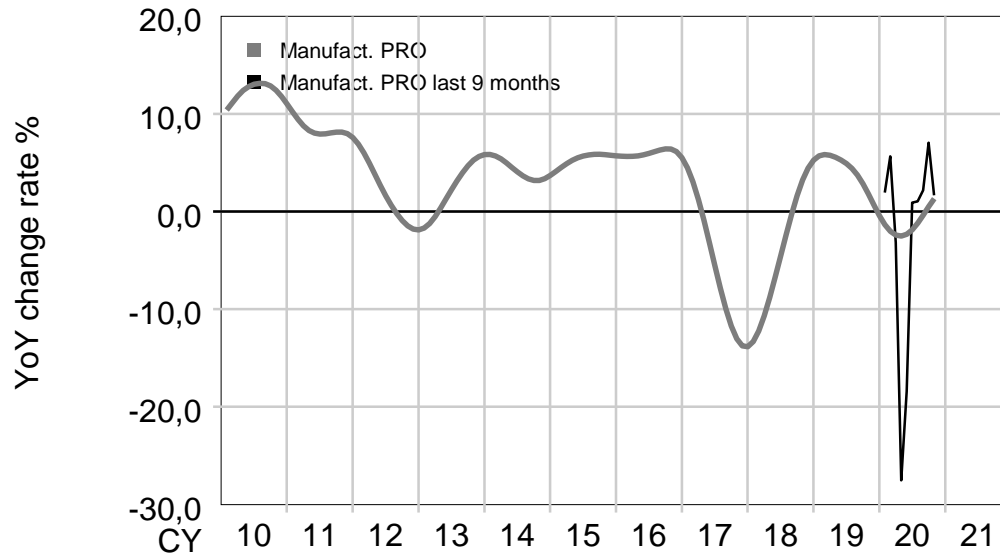
Source: Eurostat

Business Cycle Production: Poland

Total Manufacturing



Poland: Manufacturing Production Monthly Index X13 Trend YoY Change Rate



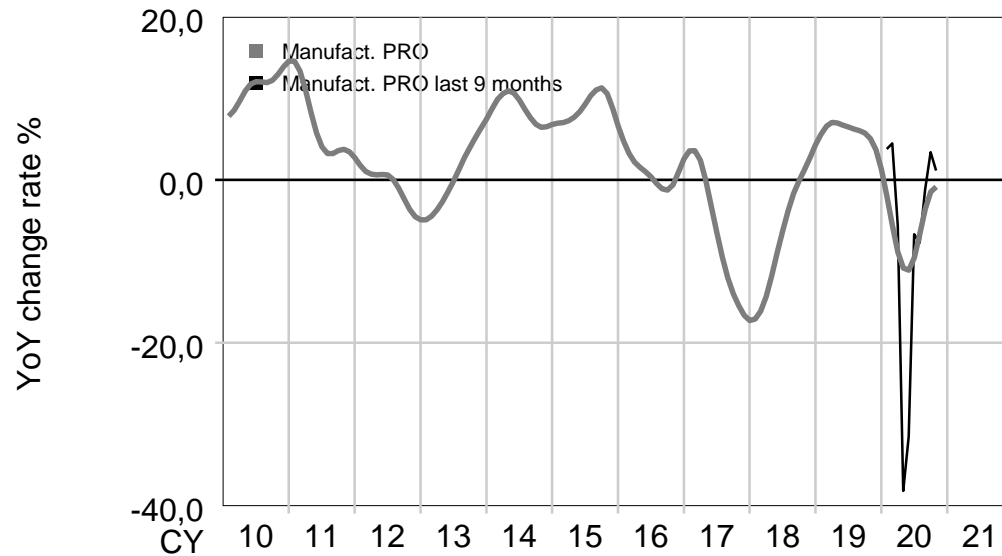
Source: Eurostat

Business Cycle Production: Hungary

Total Manufacturing



Hungary: Manufacturing Production Monthly Index X13 Trend YoY Change Rate

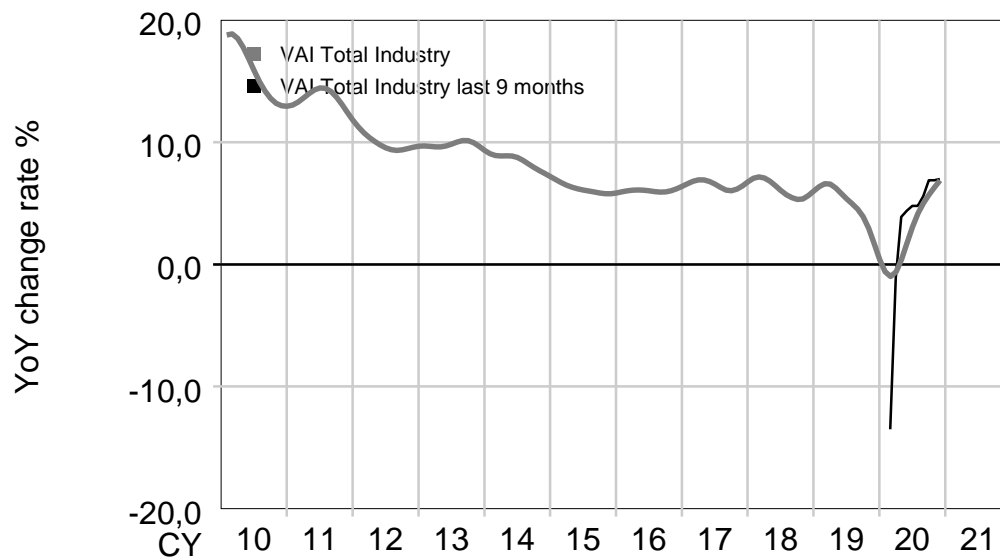


Source: Eurostat

China: Development Value Added of Industry



China: Value Added of Industry Total Industry – X13 Trend YoY Change Rate

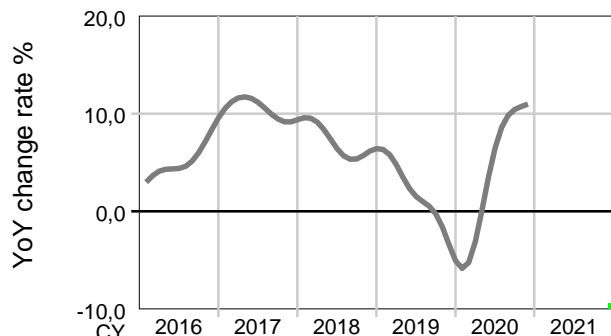


Source: China National Bureau of Statistics

China: Development Value Added by Industry



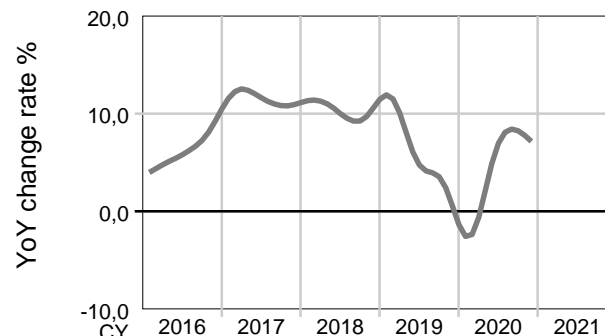
China: Value Added of Industry
Manufacture of General Purpose Machinery
Monthly X13 Trend



Source: China National Bureau of Statistics



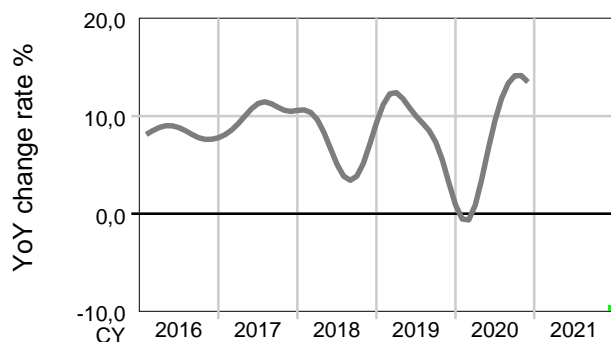
China: Value Added of Industry
Manufacture of Special Purpose Machinery
Monthly X13 Trend



Source: China National Bureau of Statistics



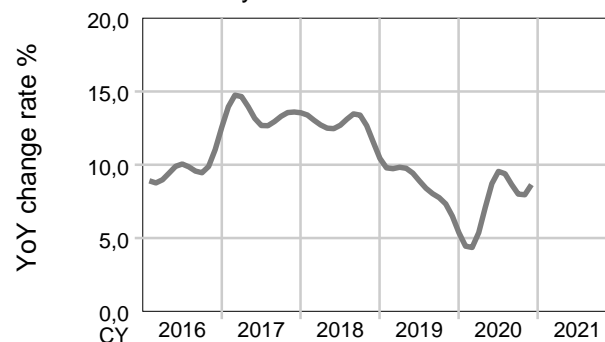
China: Value Added of Industry
Manufacture of Electrical Machinery and
Equipment Monthly X13 Trend



Source: China National Bureau of Statistics



China: Value Added of Industry
Manufacture of Communication Equipment,
Computers and Other Electronic Equipment
Monthly X13 Trend

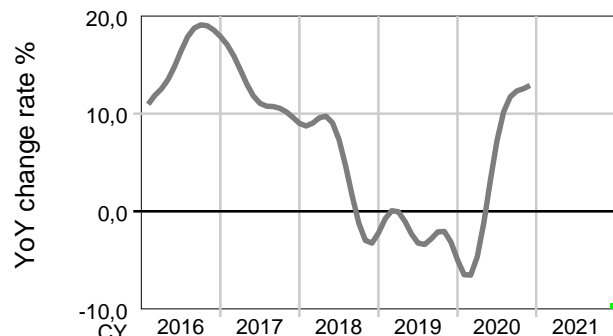


Source: China National Bureau of Statistics

China: Development Value Added by Industry



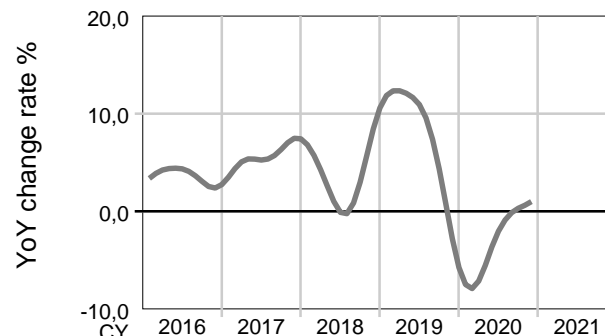
China: Value Added of Industry
Manufacture of Automobiles Monthly X13 Trend



Source: China National Bureau of Statistics



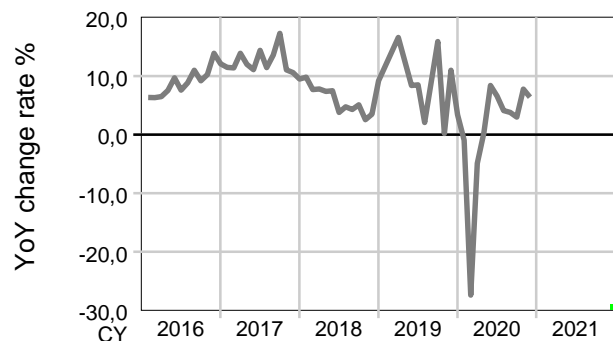
China: Value Added of Industry
Manufacture of Railway, Shipping, Aerospace and
Other Transport Equipment Monthly X13 Trend



Source: China National Bureau of Statistics



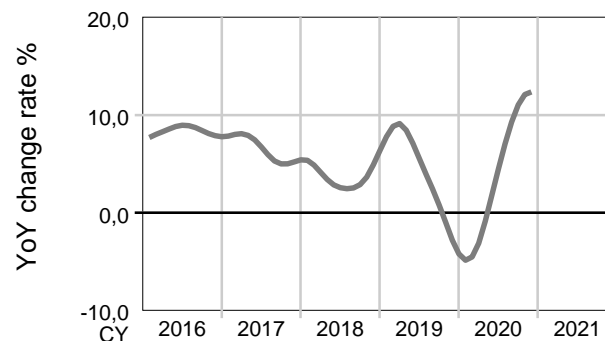
China: Value Added of Industry
Manufacture of Measuring Instruments
Monthly X13 Trend



Source: China National Bureau of Statistics



China: Value Added of Industry
Manufacture of Metal Products
Monthly X13 Trend



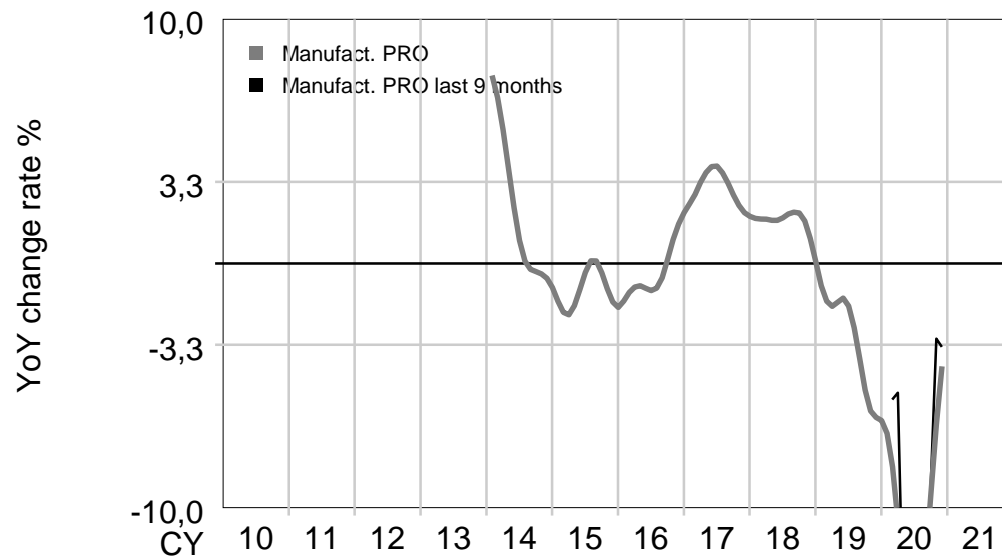
Source: China National Bureau of Statistics

Business Cycle Production: Japan

Total Manufacturing



Japan: Manufacturing Production Monthly Index X13 Trend YoY Change Rate

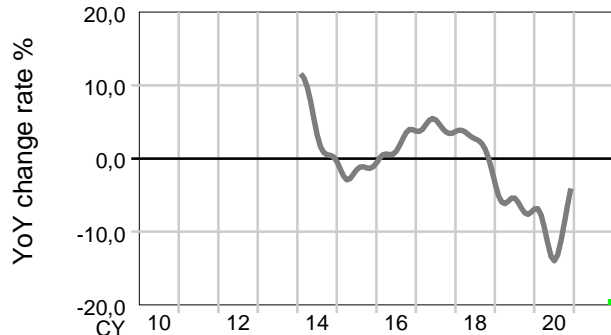


Source: METI

Business Cycle Production: Japan Discrete Manufacturing Industries



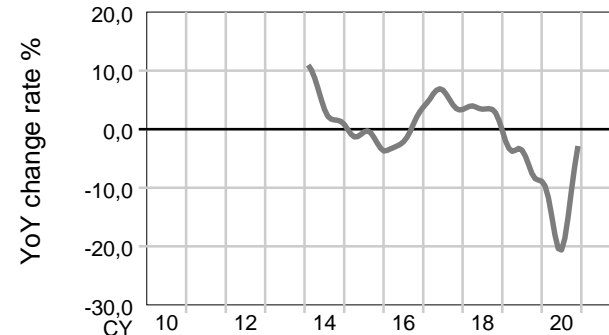
Japan: Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



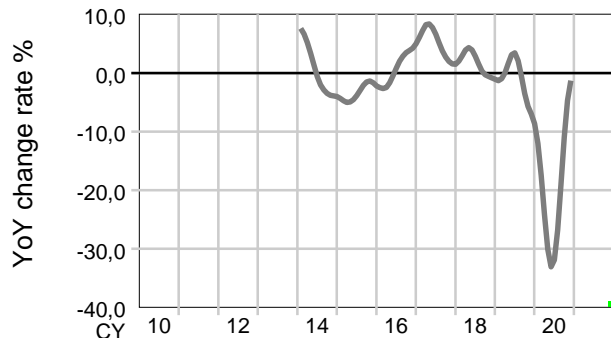
Japan: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



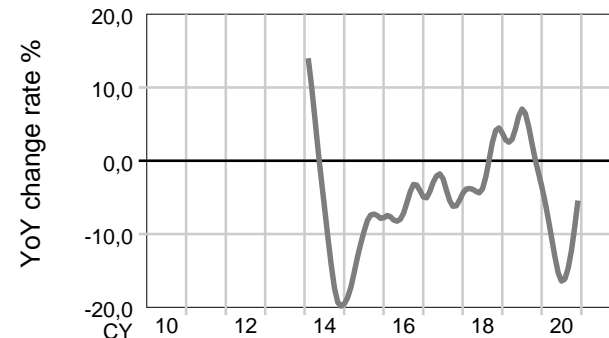
Japan: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



Japan: Electronics Production
Monthly Index X13 Trend YoY Change Rate

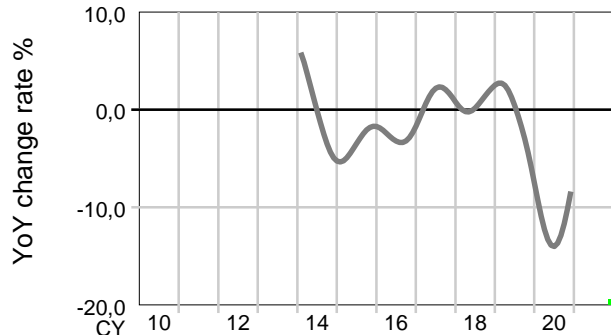


Source: METI Ministry of Economy, Trade and Industry

Business Cycle Production: Japan Discrete Manufacturing Industries



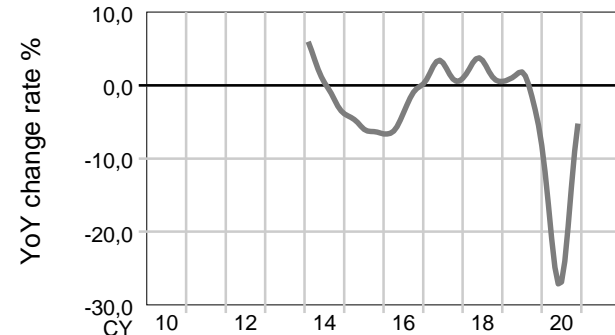
Japan: Fabricated Metals Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



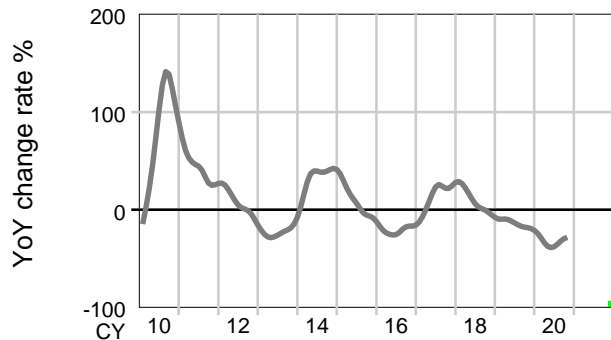
Japan: Rubber, Plastics Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



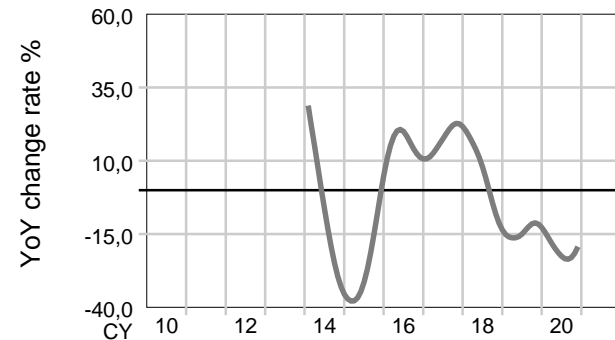
Japan: CNC Machine Tool Production
Monthly Index X13 Trend YoY Change Rate



Source: METI Ministry of Economy, Trade and Industry



Japan: Shipment Industrial Robots
Monthly Index X13 Trend YoY Change Rate



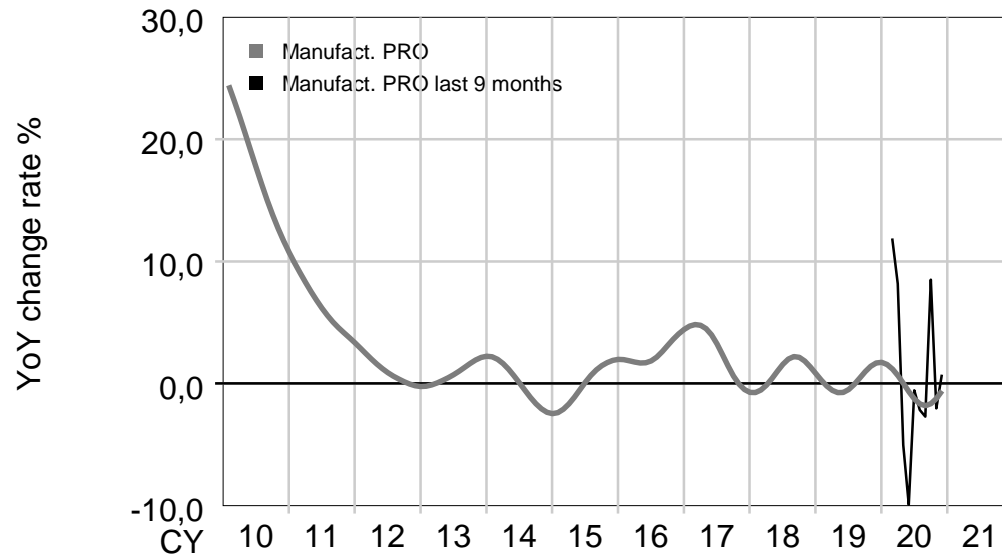
Source: METI Ministry of Economy, Trade and Industry

Business Cycle Production: Republic of Korea

Total Manufacturing



Korea (South): Manufacturing Production Monthly Index X13 Trend YoY Change Rate



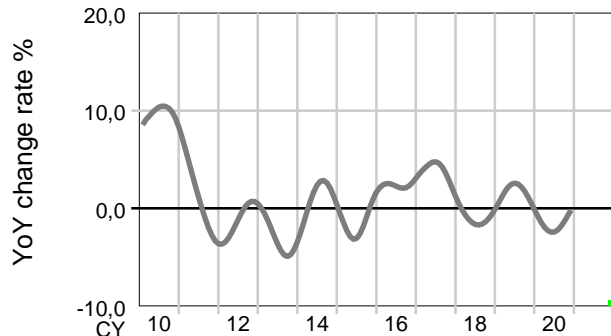
Source: Kosis Korean Statistical Information Service

Business Cycle Production: Republic of Korea

Discrete Manufacturing Industries



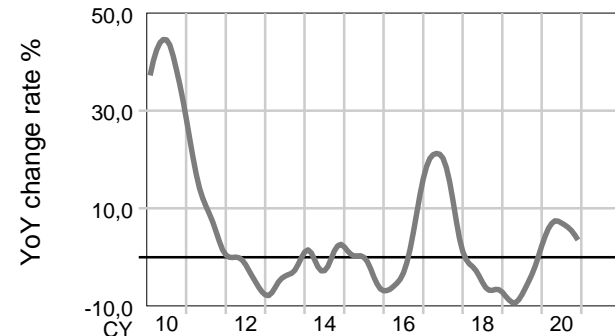
Korea (South): Electrical Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



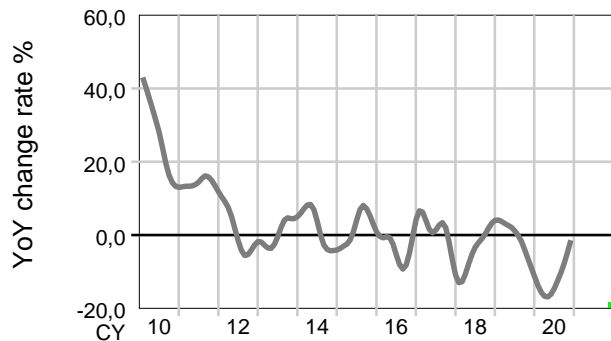
Korea (South): Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



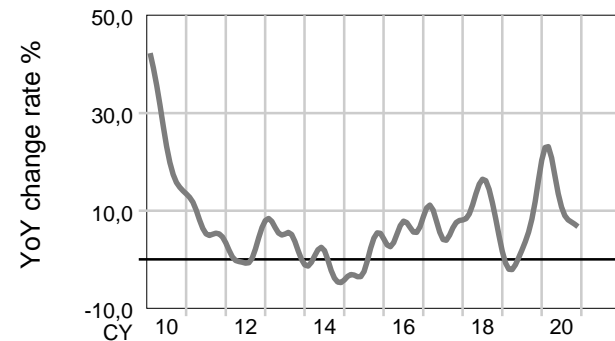
Korea (South): Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



Korea (South): Electronics Production
Monthly Index X13 Trend YoY Change Rate



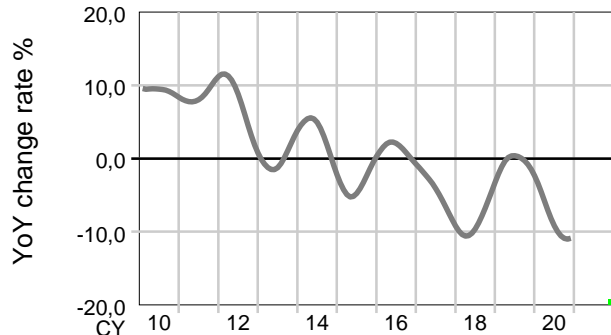
Source: Kosis Korean Statistical Information Service

Business Cycle Production: Republic of Korea

Discrete Manufacturing Industries



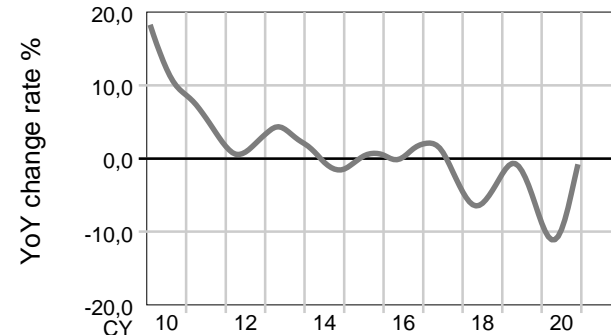
Korea (South): Fabricated Metals Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



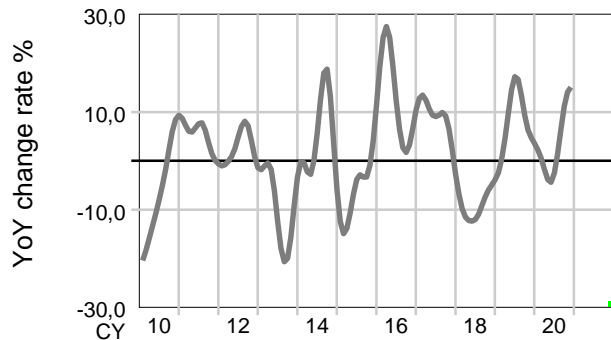
Korea (South): Rubber, Plastics Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



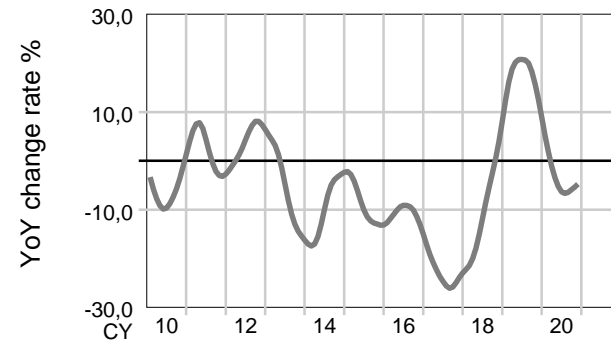
Korea (South): Tobacco Production
Monthly Index X13 Trend YoY Change Rate



Source: Kosis Korean Statistical Information Service



Korea (South): Rail, Ship, Aircraft Production
Monthly Index X13 Trend YoY Change Rate

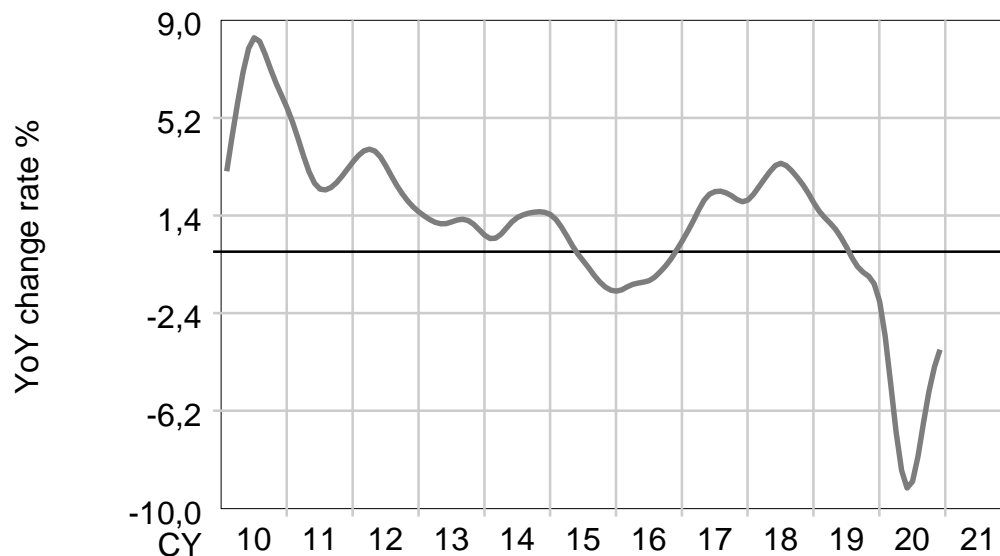


Source: Kosis Korean Statistical Information Service

Business Cycle Production: USA Total Machinery



USA: Total Manufacturing Production Monthly Index X13 Trend YoY Change Rate



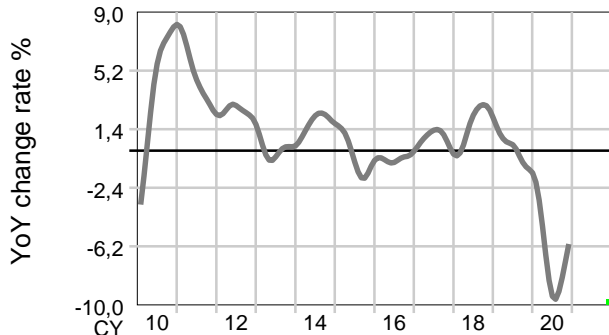
Source: The Federal Reserve

Business Cycle Production: USA

Discrete Manufacturing Industries



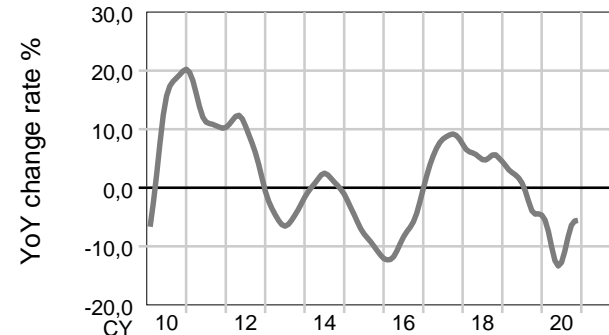
USA: Electrical Equipment Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



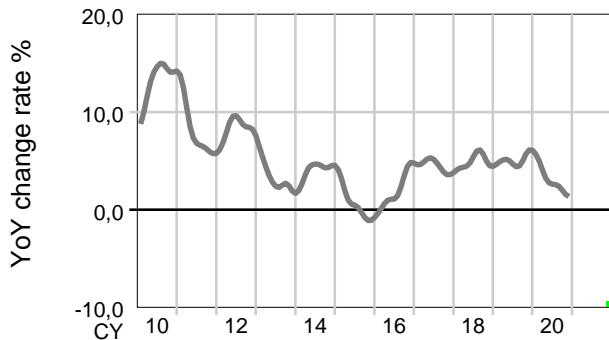
USA: Machinery Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



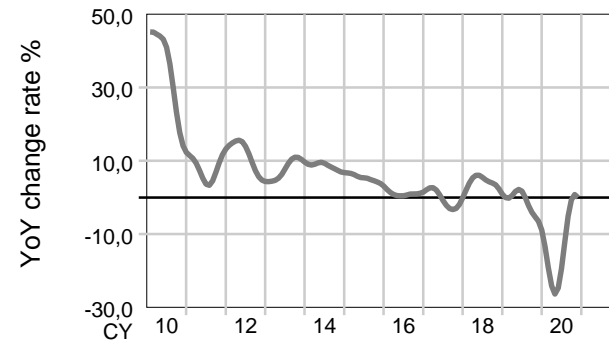
USA: Computer and Electronics Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



USA: Motor Vehicles Production
Monthly Index X13 Trend YoY Change Rate



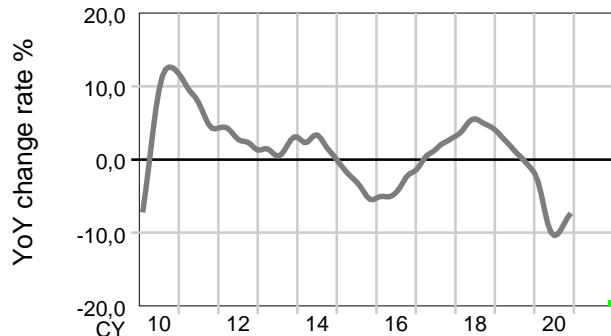
Source: The Federal Reserve

Business Cycle Production: USA

Discrete Manufacturing Industries



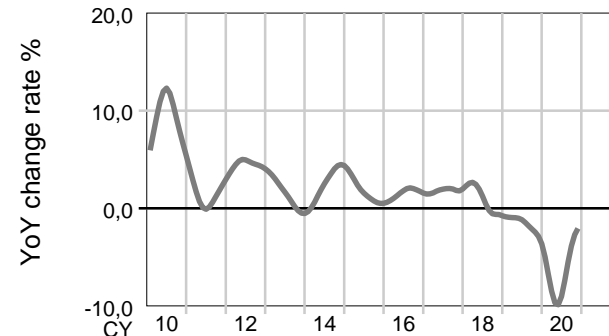
Fabricated Metal Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



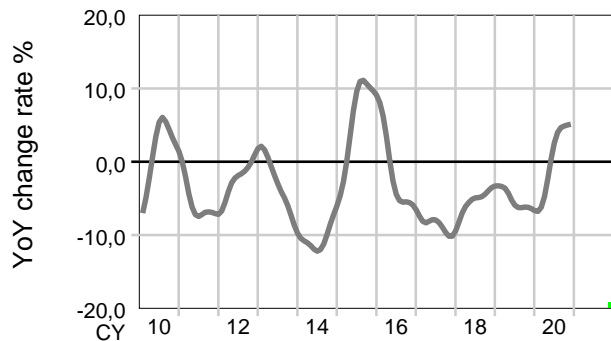
Plastics and Rubber Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



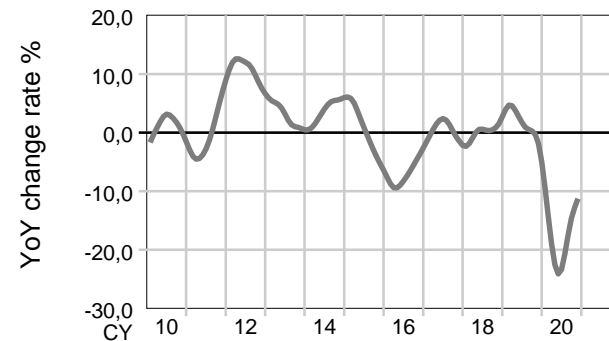
Tobacco Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



Other Transportation Production
Monthly Index X13 Trend YoY Change Rate



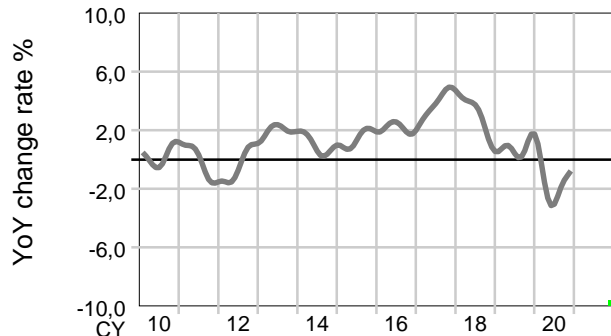
Source: The Federal Reserve

Business Cycle Production: USA

Continually Manufacturing Industries



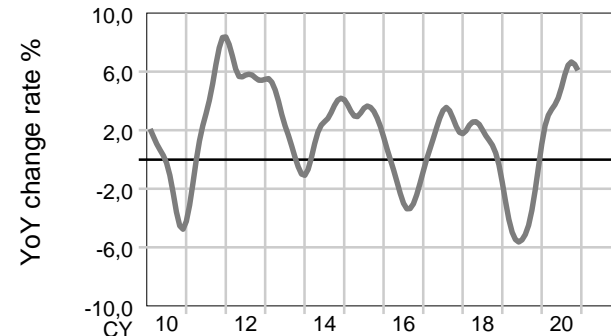
Food Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



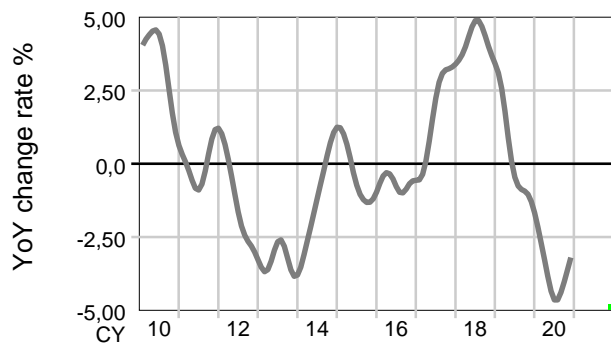
Beverage Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



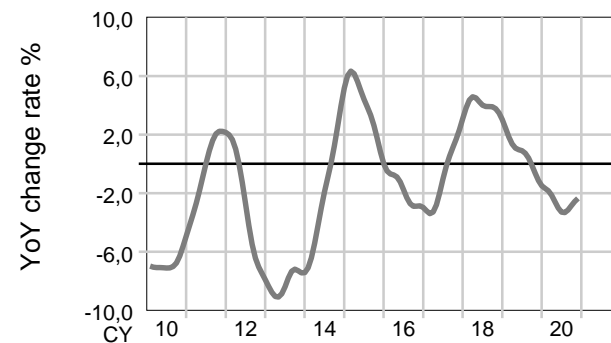
Chemicals Production
Monthly Index X13 Trend YoY Change Rate



Source: The Federal Reserve



Pharmaceutical and Medicine Production
Monthly Index X13 Trend YoY Change Rate

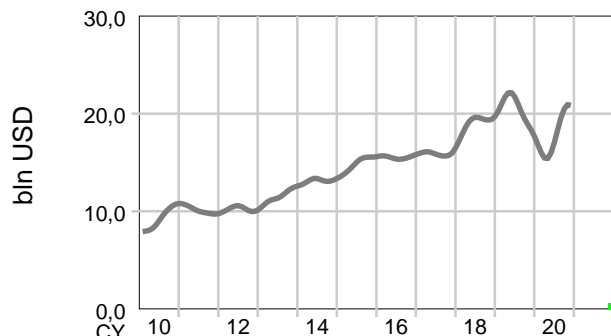


Source: The Federal Reserve

Business Cycle Production: USA Motor Vehicles



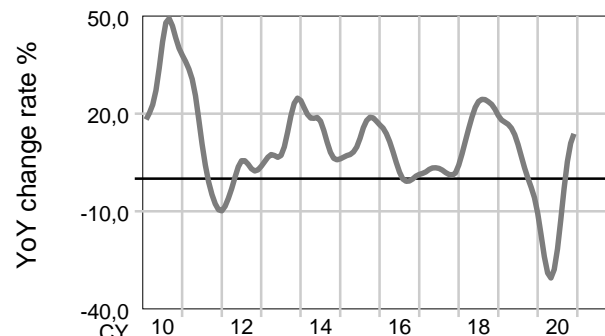
USA: Light Truck and Utility Vehicle Manufacturing
Monthly Value of Shipments X13 Trend



Source: U.S. Census Bureau



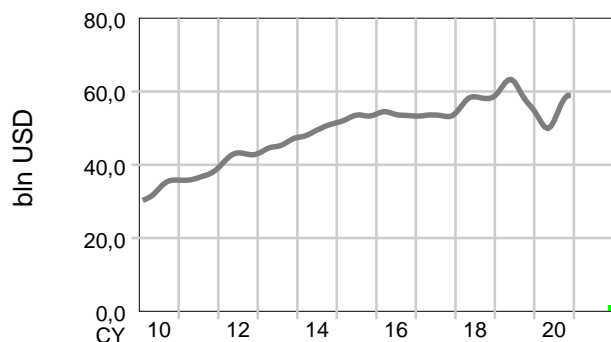
USA: Light Truck and Utility Vehicle Manufacturing - Monthly Value of Shipments X13 Trend YoY Change Rate



Source: U.S. Census Bureau



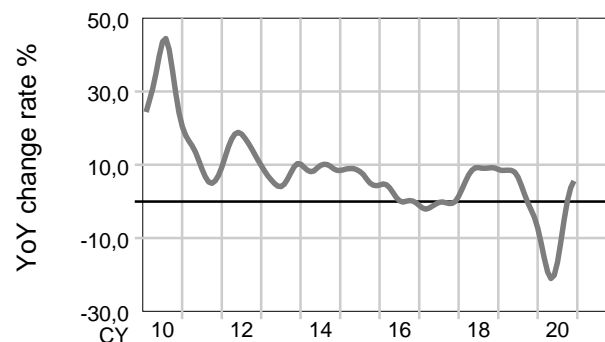
USA: Motor Vehicles and Parts Monthly Value of Shipments X13 Trend



Source: U.S. Census Bureau



USA: Motor Vehicles and Parts Monthly Value of Shipments X13 Trend YoY Change Rate

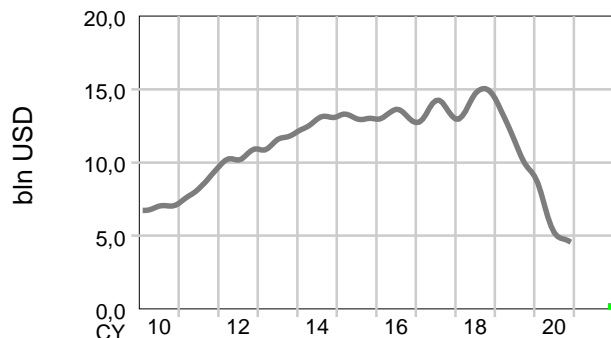


Source: U.S. Census Bureau

Business Cycle Production: USA Aircraft, Ships and Boats



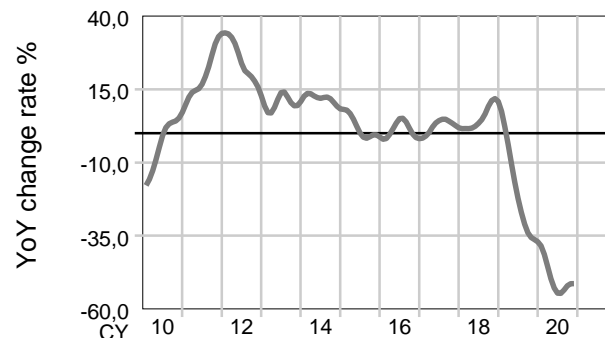
USA: Nondefense Aircraft and Parts
Monthly Value of Shipments X13 Trend



Source: U.S. Census Bureau



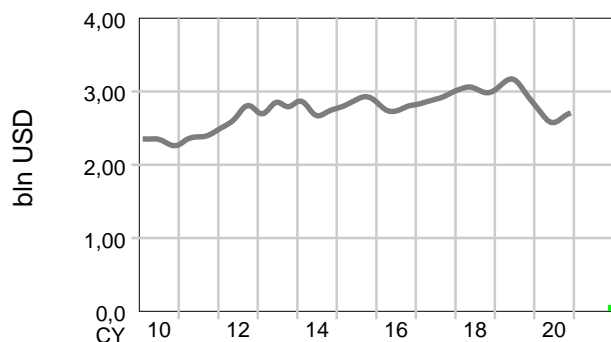
USA: Nondefense Aircraft and Parts
Monthly Value of Shipments X13 Trend YoY
Change Rate



Source: U.S. Census Bureau



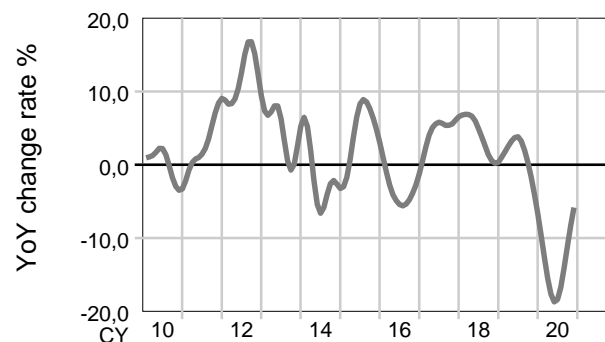
USA: Ships and Boats
Monthly Value of Shipments X13 Trend



Source: U.S. Census Bureau



USA: Ships and Boats
Monthly Value of Shipments X13 Trend YoY
Change Rate



Source: U.S. Census Bureau