Please fill in the bright yellow boxes and e-mail the spreadsheet back to Kelley Sarussi at ksarussi@frbchi.org
Name:
William V Rapp
Company:
New Jersey Institute Of Technology
Phone Number:

2017

| GDP, billions of current dollars | \$19,485.4 |
| :---: | :---: |
| GDP price index, chain-type (2012=100) | 107.9 |
| Real GDP, billions of chained dollars (2012) | \$18,050.7 |
| Real Personal Consumption Expenditures | \$12,558.7 |
| Real Gross Private Domestic Investment - Fixed Nonresidential | \$2,538.1 |
| Real Gross Private Domestic Investment - Fixed Residential | \$611.1 |
| Change in Private Inventories, SAAR, Billions of Chained (2012) Dollars | \$22.5 |
| Real Net Exports of Goods and Services | -\$858.7 |
| Real Government Consumption Expenditures and Gross Investment | \$3,130.4 |
| Industrial production (2012=100) | 103.7 |
| Car \& light truck sales (millions - calendar year including imports) | 17.1 |
| Housing starts (millions) | 1.21 |
| Oil price (dollars per barrel of West Texas Intermediate) | \$50.91 |
| Unemployment rate | 4.4 |
| Consumer Price Index (Qtr/Qtr Seasonally Adjusted Annualized Rate) | 2.1 |
| Treasury constant maturity 1-year rate | 1.20 |
| Treasury constant maturity 10-year rate | 2.33 |
| J.P. Morgan broad nominal effective exchange rate (change from previous period) | -0.1 |

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2017
GDP, billions of current dollars \$19,485.4
GDP price index, chain-type (2012=100)
Real GDP, billions of chained dollars (2012)
Real Personal Consumption Expenditures
Real Gross Private Domestic Investment - Fixed Nonresidential
Real Gross Private Domestic Investment - Fixed Residential
Change in Private Inventories, SAAR, Billions of Chained (2012) Dollars
\$611.1
\$22.5
-\$858.7
Real Government Consumption Expenditures and Gross Investment
Industrial production (2012=100)
\$3,130.4
103.7

Car \& light truck sales (millions - calendar year including imports) 17.1
Housing starts (millions)
Oil price (dollars per barrel of West Texas Intermediate)
1.21
\$50.91
Unemployment rate
4.4

Consumer Price Index (Qtr/Qtr Seasonally Adjusted Annualized Rate)
Treasury constant maturity 1-year rate 1.20
Treasury constant maturity 10-year rate
2.33
J.P. Morgan trade weighted OECD dollar (change from previous period) -0.1

| $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | Q3 2018 | Q4 2018 | Q1 2019 | Q2 2019 | Q3 2019 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\$ 20,938.8$ | $\$ 22,049.8$ | $\$ 20,659.0$ | $\$ 20,974.8$ |  | $\$ 21,480.7$ | $\$ 21,773.5$ |
| 111.5 | 114.5 | 110.6 | 111.5 | 112.3 | 113.0 | 113.8 |
| $\$ 18,811.5$ | $\$ 19,257.5$ | $\$ 18,671.5$ | $\$ 18,811.5$ | $\$ 18,896.2$ | $\$ 19,009.5$ | $\$ 19,133.1$ |
| $\$ 13,074.0$ | $\$ 13,383.0$ | $\$ 12,968.5$ | $\$ 13,074.0$ | $\$ 13,132.9$ | $\$ 13,211.6$ | $\$ 13,297.5$ |
| $\$ 2,737.0$ | $\$ 2,792.3$ | $\$ 2,715.7$ | $\$ 2,737.0$ | $\$ 2,739.9$ | $\$ 2,756.4$ | $\$ 2,774.3$ |
| $\$ 605.0$ | $\$ 597.0$ | $\$ 607.0$ | $\$ 605.0$ | $\$ 600.0$ | $\$ 599.0$ | $\$ 598.0$ |
| $\$ 86.0$ | $\$ 68.0$ | $\$ 76.3$ | $\$ 86.0$ | $\$ 91.0$ | $\$ 79.0$ | $\$ 71.0$ |
| $-\$ 965.8$ | $-\$ 982.1$ | $-\$ 939.0$ | $-\$ 965.8$ | $-\$ 963.7$ | $-\$ 969.5$ | $-\$ 975.8$ |
| $\$ 3,208.4$ | $\$ 3,252.0$ | $\$ 3,197.5$ | $\$ 3,208.4$ | $\$ 3,219.0$ | $\$ 3,229.6$ | $\$ 3,240.3$ |
| 109.7 | 115.2 | 108.2 | 109.7 | 111.1 | 112.5 | 113.9 |
| 16.9 | 16.7 | 16.9 | 16.9 | 16.8 | 16.7 | 16.7 |
| 1.2 | 1.1 | 1.22 | 1.2 | 1.2 | 1.2 | 1.1 |
| $\$ 67.0$ | $\$ 65.0$ | $\$ 69.61$ | $\$ 67.0$ | $\$ 66.0$ | $\$ 65.0$ | $\$ 65.0$ |
| 3.7 | 3.9 | 3.8 | 3.7 | 3.8 | 3.8 | 3.9 |
| 2.2 | 2.3 | 2.0 | 2.2 | 2.3 | 2.2 | 2.3 |
| 2.8 | 3.9 | 2.47 | 2.8 | 3.1 | 3.3 | 3.6 |
| 3.3 | 4.5 | 2.93 | 3.3 | 3.6 | 3.8 | 4.1 |
| 3.3 | 1.2 | 3.2 | 0.1 | 0.3 | 0.3 | 0.1 |


| e annualized percentage changes from period to period |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2017 to $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 8}$ to $\mathbf{2 0 1 9}$ | Q3 2018 | Q3 to Q4 | Q4 to Q1 | Q1 to Q2 | Q2 to Q3 |
| $7.5 \%$ | $5.3 \%$ | $\$ 20,659.0$ | $6.3 \%$ |  |  | $5.6 \%$ |
| $3.3 \%$ | $2.7 \%$ | $\$ 110.6$ | $3.2 \%$ | $2.9 \%$ | $2.5 \%$ | $2.9 \%$ |
| $4.2 \%$ | $2.4 \%$ | $\$ 18,671.5$ | $3.0 \%$ | $1.8 \%$ | $2.4 \%$ | $2.6 \%$ |
| $4.1 \%$ | $2.4 \%$ | $\$ 12,968.5$ | $3.3 \%$ | $1.8 \%$ | $2.4 \%$ | $2.6 \%$ |
| $7.8 \%$ | $2.0 \%$ | $\$ 2,715.7$ | $3.2 \%$ | $0.4 \%$ | $2.4 \%$ | $2.6 \%$ |
| $-1.0 \%$ | $-1.3 \%$ | $\$ 607.0$ | $-1.3 \%$ | $-3.3 \%$ | $-0.7 \%$ | $-0.7 \%$ |
| $\$ 86.0$ | $\$ 68.0$ | $\$ 76.3$ | $\$ 86.0$ | $\$ 91.0$ | $\$ 79.0$ | $\$ 71.0$ |
| $-\$ 965.8$ | $-\$ 982.1$ | $-\$ 939.0$ | $-\$ 965.8$ | $-\$ 963.7$ | $-\$ 969.5$ | $-\$ 975.8$ |
| $2.5 \%$ | $1.4 \%$ | $\$ 3,197.5$ | $1.4 \%$ | $1.3 \%$ | $1.3 \%$ | $1.3 \%$ |
| $5.8 \%$ | $5.0 \%$ | $\$ 108.2$ | $5.8 \%$ | $5.2 \%$ | $5.1 \%$ | $5.1 \%$ |
| 16.9 | 16.7 | 16.9 | 16.9 | 16.8 | 16.7 | 16.7 |
| 1.20 | 1.10 | 1.22 | 1.20 | 1.20 | 1.20 | 1.10 |
| $\$ 67.00$ | $\$ 65.00$ | $\$ 69.6$ | $\$ 67.00$ | $\$ 66.00$ | $\$ 65.00$ | $\$ 65.00$ |
| 3.7 | 3.9 | 3.8 | 3.7 | 3.8 | 3.8 | 3.9 |
| 2.2 | 2.3 | 2.0 | 2.2 | 2.3 | 2.2 | 2.3 |
| 2.80 | 3.90 | 2.47 | 2.80 | 3.10 | 3.30 | 3.60 |
| 3.30 | 4.50 | 2.93 | 3.30 | 3.60 | 3.80 | 4.10 |
| 3.3 | 1.2 | 3.2 | 0.1 | 0.3 | 0.3 | 0.1 |


| Q4 2019 |
| ---: |
| $\$ 22,049.8$ |
| 114.5 |
| $\$ 19,257.5$ |
| $\$ 13,383.0$ |
| $\$ 2,792.3$ |
| $\$ 597.0$ |
| $\$ 68.0$ |
| $-\$ 982.1$ |
| $\$ 3,252.0$ |
| 115.2 |
| 16.7 |
| 1.1 |
| $\$ 65.0$ |
| 3.9 |
| 2.3 |
| 3.9 |
| 4.5 |
| 0.5 |


|  |
| ---: |
| Q3 to Q4 |
| $5.2 \%$ |
| $2.5 \%$ |
| $2.6 \%$ |
| $2.6 \%$ |
| $2.6 \%$ |
| $-0.7 \%$ |
| $\$ 68.0$ |
| $-\$ 982.1$ |
| $1.5 \%$ |
| $4.6 \%$ |
| 16.7 |
| 1.10 |
| $\$ 65.00$ |
| 3.9 |
| 2.3 |
| 3.90 |
| 4.50 |
| 0.5 |

