APPENDIX TO:

TEACHING COURSES IN MACROECONOMICS AND MONETARY POLICY WITH BLOOMBERG ANALYTICS

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for the Full Version of this paper please see:

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APPENDIX

Figure A.1. International Yield Curves

Note: The graph shows yield curves for the U.S., Germany, Japan, U.K., France, and Italy on June 6, 2018.

The Bloomberg mnemonic for this chart is: "CRVF" and hit <GO> (which is the return key on Bloomberg). Then select G7 and under curves and curve ID select the following: I25 for the US Treasury, I22 for UK, I40 for Italy, I18 for Japan, I16 for Germany and I14 for France. Then type 1 <GO> to get the graph of yield curve for these six country/regions for the desired date. Incidentally, you can choose up to four different dates to see how the yield curve has shifted as central banks have changed their stance on monetary policy.

Figure A.2. 30-Year bond price responds to Fed's "No-tapering" announcement in September 2013

Note: The price of the 30-year Treasury bond jumped up sharply when the Fed surprised markets by not announcing tapering at its September 2013 meeting.

The Bloomberg mnemonic for this chart is: T 2 7/8 <F2> 05/15/43 GIP <GO>.

Please note: <F2> means press function key F2.

Figure A.3. The Dow jumped up in response to the Fed's "No-tapering" announcement in September 2013

Note: The Dow stock index jumped up sharply when the Fed surprised markets by not announcing tapering at its September 2013 meeting.

The Bloomberg mnemonic for this chart is: INDU <F10> GIP <GO> This will get you to the tick-by-tick movement of the Dow for the current day.
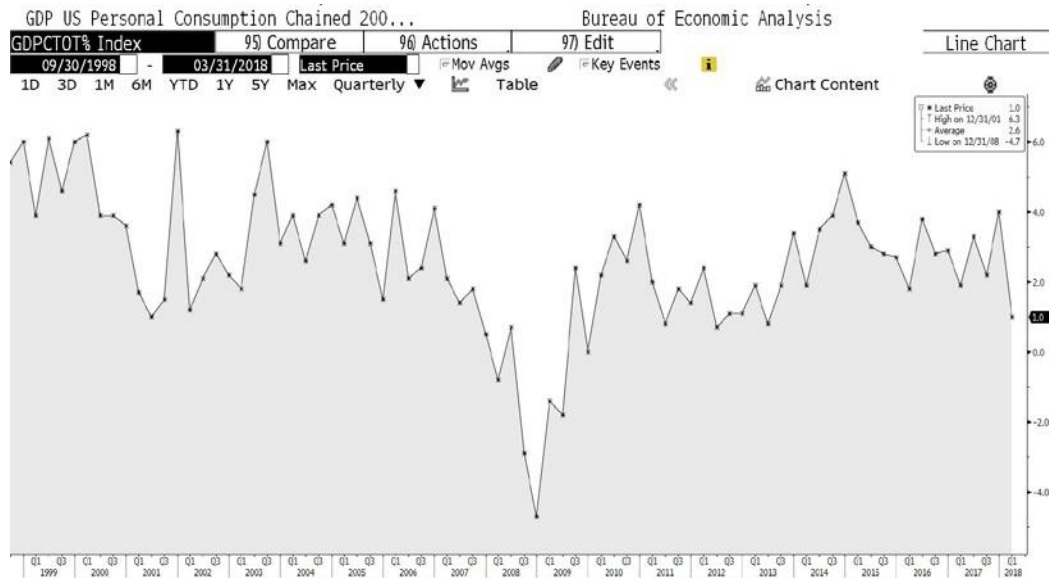
Figure A.4. Personal Consumption Expenditures, Quarterly Growth Rate, 1998 to 2017

Note: Quarterly consumption spending growth has been generally positive, but became negative during the financial crisis in 2008. It reversed its course starting in 2009 through the end of 2010 and since has become positive, varying within a range of .8% and 5.1%.

The Bloomberg mnemonic for this chart is: "GDPCTOT% <F10> GP <GO>" and then select the desired dates in the left top two tabs in the image.
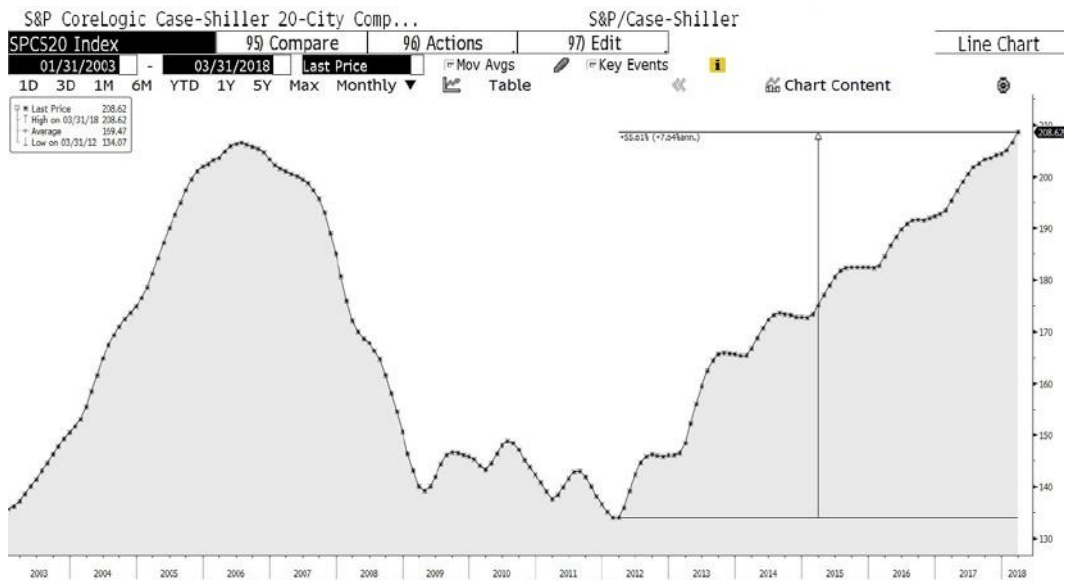
Figure A.5. House Price Index, S&P Case-Shiller, 20-City Average, 2003 to 2017

Note: Home prices rose dramatically from 2003 to 2006, then fell very sharply in 2007 and 2008. They moved erratically through early 2012, hitting a 10-year low, before increasing at the end of the year. From March 2012 to March 2018 the index has increased by 55% which translates to an annual increase rate of 7.64%.

The Bloomberg mnemonic for this chart is: "GDPCTOT% <F10> GP <GO>" and then select the desired dates in the left top two tabs in the image.

US Employees on Nonfarm Payrolls Total ...   Bureau of Labor Statistics

NFP TCH Index   95) Compare   96) Actions   97) Edit   Line Chart

08/31/2003 - 05/31/2018 Last Price   Mov Avgs   Key Events

1D 3D 1M 6M YTD 1Y 5Y Max Monthly ▼   Table   Chart Content

Last Price   223
High on 05/31/10   522
Average   104
Low on 03/31/09   -802

Figure A.6. Monthly Change in Nonfarm Payroll Employment, 2003 to 2018

Note: The graph shows the net monthly change in nonfarm payroll employment. The damage to the labor market from the financial crisis is readily apparent.

The Bloomberg mnemonic for this chart is: "NTF TCH <F10> <GO>" and then select the desired dates in the left top two tabs in the image. Please note: <F10> means press function key F10. Also <GO> on Bloomberg is the return key.

Figure A.7. Unemployment Rate, 2007 to 2018

Note: The graph shows the civilian unemployment rate from 2007 to 2018, illustrating the sharp rise in unemployment during the financial crisis and its slow decline in the recovery.

The Bloomberg mnemonic for this chart is: "USURTOT <F10> GP <GO>" and then select the desired dates in the left top two tabs in the image.

99) Actions ▾   **Currency Rates Matrix**

Basket	Majors		● Last Price	Rate	Spot		Date	06/07/18
Source	BGN ▾		● % Change	● Outrights ● Points		☑ Heat Map		

10) Spot | **11) Forward** | **12) Fixing**

	USD	EUR	JPY	GBP	CHF	CAD	AUD	NZD	HKD	NOK	SEK
SEK	8.7167	10.276	.07928	11.702	8.8407	6.7327	6.6690	6.1368	1.1111	1.0802	
NOK	8.0692	9.5125	.07339	10.832	8.1840	6.2326	6.1736	5.6810	1.0286		.92572
HKD	7.8449	9.2481	.07135	10.531	7.9565	6.0593	6.0020	5.5230		.97220	.89998
NZD	1.4204	1.6745	.01292	1.9068	1.4406	1.0971	1.0867		.18106	.17603	.16295
AUD	1.3070	1.5408	.01189	1.7546	1.3256	1.0095		.92020	.16661	.16198	.14995
CAD	1.2947	1.5263	.01178	1.7380	1.3131		.99054	.91149	.16504	.16045	.14853
CHF	.98597	1.1623	.00897	1.3236		.76155	.75435	.69415	.12568	.12219	.11311
GBP	.74491	.87815	.00677		.75551	.57536	.56992	.52444	.09495	.09231	.08546
JPY	109.95	129.62		147.60	111.52	84.926	84.122	77.409	14.016	13.626	12.614
EUR	.84827		.00771	1.1388	.86034	.65520	.64900	.59721	.10813	.10512	.09732
USD		1.1789	.00909	1.3425	1.0142	.77239	.76508	.70403	.12747	.12393	.11472

% Change on Day Range

Below -2.5%	-0.5% to -2.5%	-0.05% to -0.…	-0.05% to 0.…	0.05% to 0.5%	0.5% to 2.5%	Above 2.5%

Figure A.8. Currency Cross Rates

Note: This table shows the exchange rates listed on June 6th 2018, showing the exchange rates of each of 11 currencies against the other 10.

The Bloomberg mnemonic for this chart is: FXC <GO>

Figure A.9. Interest rate on bond maturing in November 2013

Note: The graph shows the interest rate on a US Treasury bond maturing in November 2013, showing the rise in the yield because of fear that the government might default on its payments.

The Bloomberg mnemonic for this chart is: To get a 30-day chart of any treasury issue on Bloomberg type T <coupon> <F2> Maturity in MM/DD/YY GIP30 <GO>.

Figure A.10. VIX index, September 9 to October 18, 2013

Note: The graph shows the volatility index (VIX) rising as the threat of a government shutdown increased and falling when the agreement was reached to avert a shutdown.

The Bloomberg mnemonic for this chart is: VIX <F10> GIP30 <GO>

Figure A.11. VIX index, October 15 to 18, 2013

Note: The graph shows the volatility index (VIX) from October 15 to 18, 2013, when the government agreed to end the shutdown.

The Bloomberg mnemonic for this chart is: To get a 4-day chart of VIX on Bloomberg, type VIX <F10> GIP4 <GO>