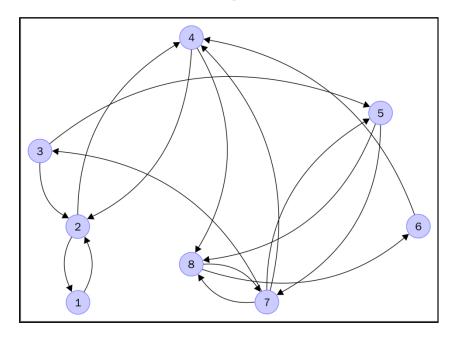
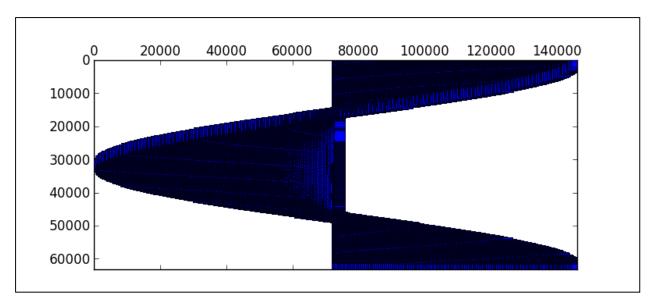
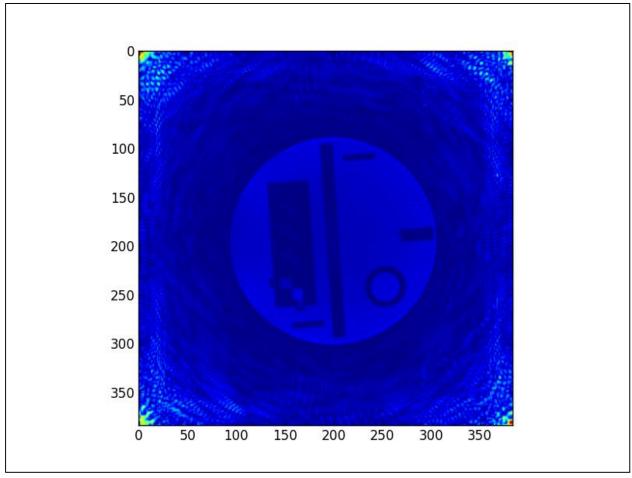
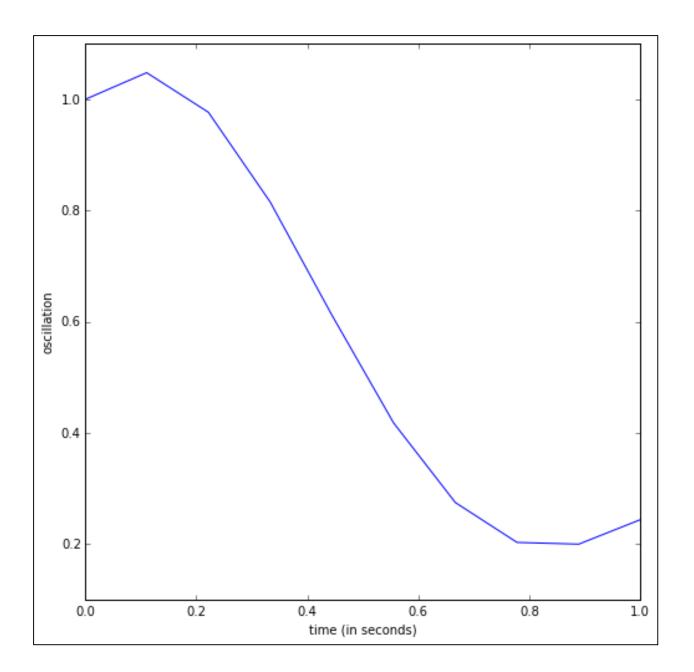
Chapter 1: Numerical Linear Algebra



```
%% MatrixMarket matrix coordinate real general
% UF Sparse Matrix Collection, Tim Davis
% http://www.cise.ufl.edu/research/sparse/matrices/Bydder/mri2
% name: Bydder/mri2
% [MRI reconstruction (2), from Mark Bydder, UCSD]
% id: 1318
% date: 2005
% author: M. Bydder
% ed: T. Davis
% fields: title A name b id notes date author ed kind
% kind: computer graphics/vision problem
8-----
% notes:
% x=lsqr(A,b); imagesc(abs(fftshift(fft2(reshape(x,384,384)))));
8-----
63240 147456 569160
31992 1720 .053336731395584265
31992 1721 .15785917688901102
31992 1722 .07903055194318191
```

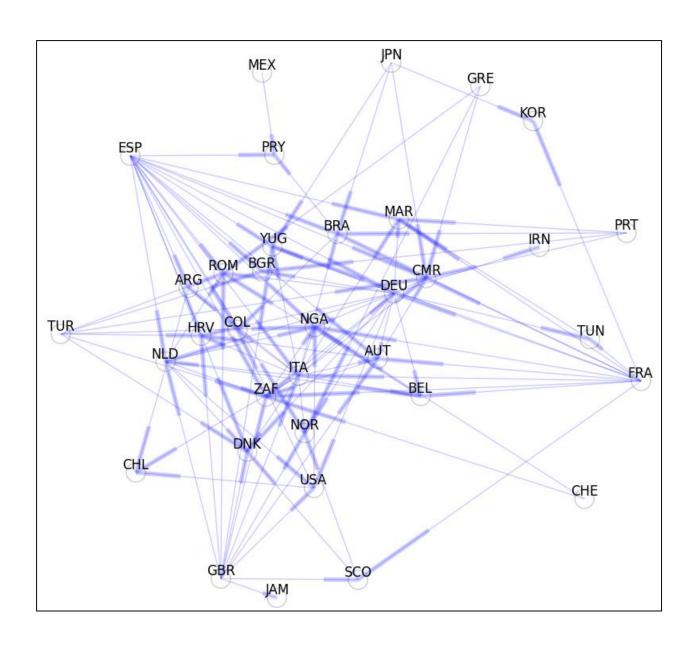




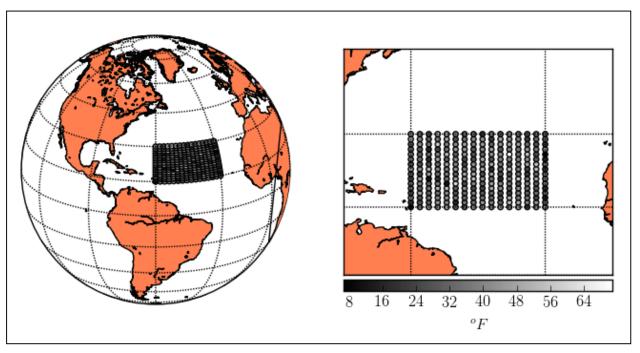


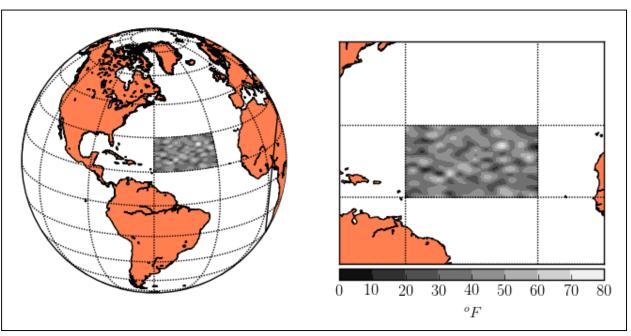
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11	1	1	0	0	0	0	0	0	0	0	0	0	0]
L	_	_											- 1
L	1	2	1	0	0	0	0	0	0	0	0	0	0]
[1	3	3	1	0	0	0	0	0	0	0	0	0]
[1	4	6	4	1	0	0	0	0	0	0	0	0]
[1	5	10	10	5	1	0	0	0	0	0	0	0]
[1	6	15	20	15	6	1	0	0	0	0	0	0]
[1	7	21	35	35	21	7	1	0	0	0	0	0]
[1	8	28	56	70	56	28	8	1	0	0	0	0]
[1	9	36	84	126	126	84	36	9	1	0	0	0]
[1	10	45	120	210	252	210	120	45	10	1	0	0]
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[1	12	66	220	495	792	924	792	495	220	66	12	1]]

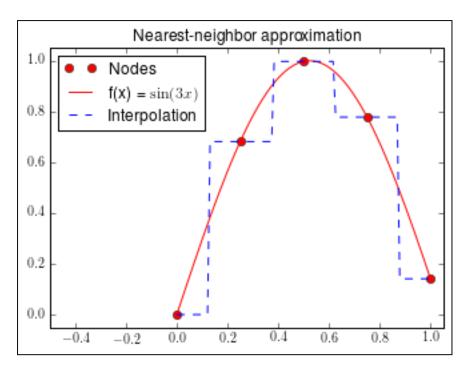
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Pajek/football; 1998; L. Krempel; ed: V. Batagelj
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iua
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                                                   118
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               (2613)
                               (2613)
(2014)
         6 8 8 10 12 12 12 12 28 28 46 59 71 74 74 74 90 90
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 94 94 95 95 101 101 105 105 105 107 108 115 118 118 119
 7 9 8 16 35 24 29 9 28 24 35 2 3 4 8 11 16 17 22 24 25 26 29 31 33 34
 35 1 2 4 5 8 9 10 11 16 18 22 24 25 26 28 29 34 35 2 3
                                                              5
                                                                 8 10 18 21
 22 24 30 31 34 35 2 11 16 18 19 25 26 29 30 33 34 35 8 26 29
                                                              1
                                                                 2
                                                                    3
                                                                       5 7
 8 9 10 11 16 22 24 25 26 34 35
                                 5 8 21 34 28
                                               3 11 24 29 33 35
                                  9 24 24
11 26 22
             8 11 16 24 29 35
                                  7
 1
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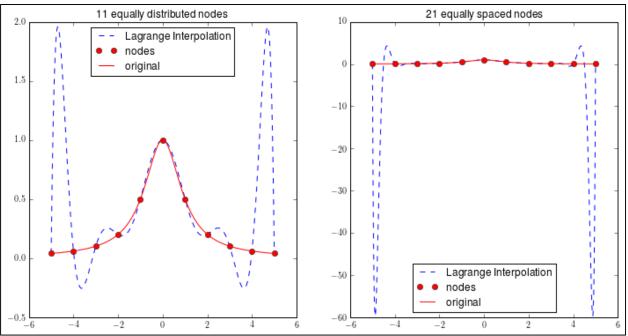


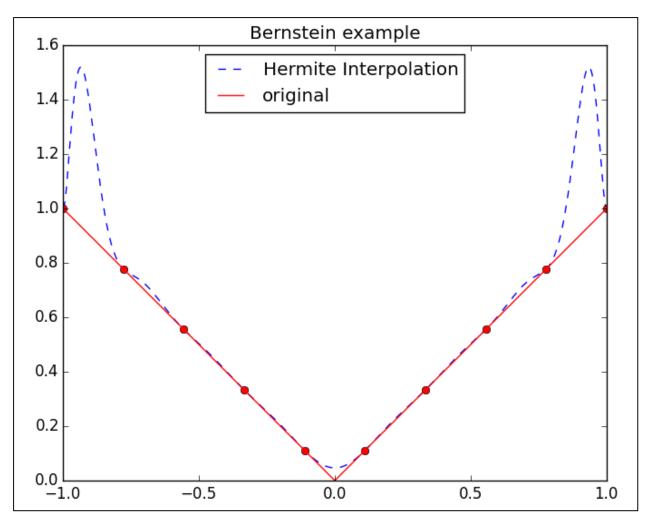
Chapter 2: Interpolation and Approximation

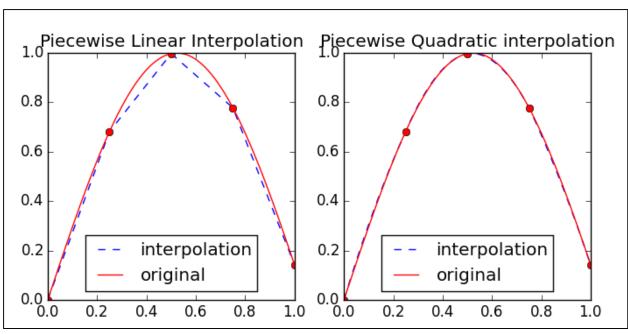


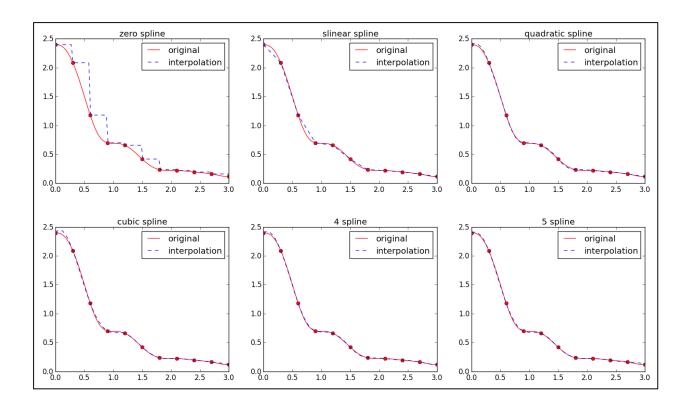


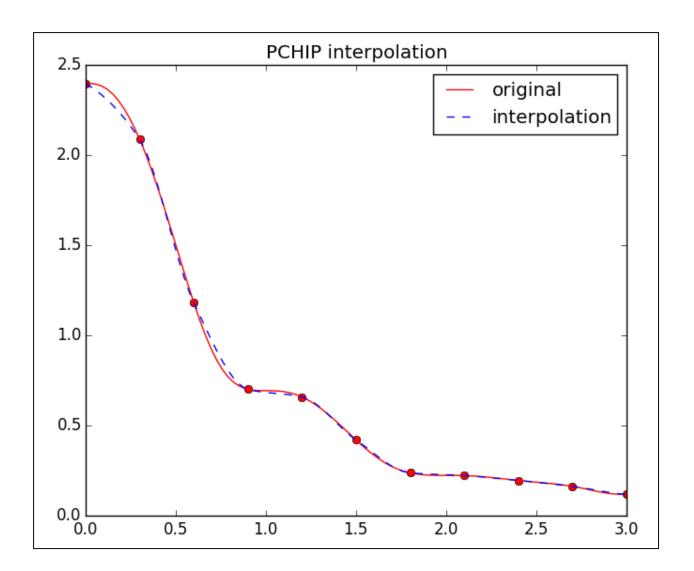


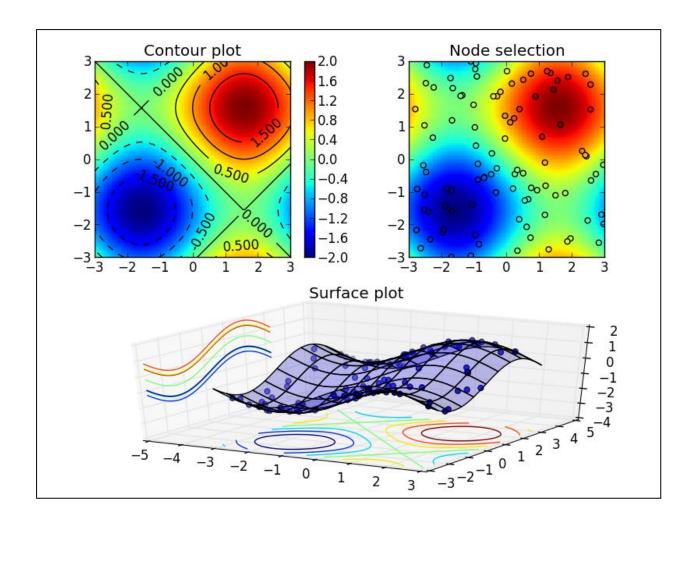


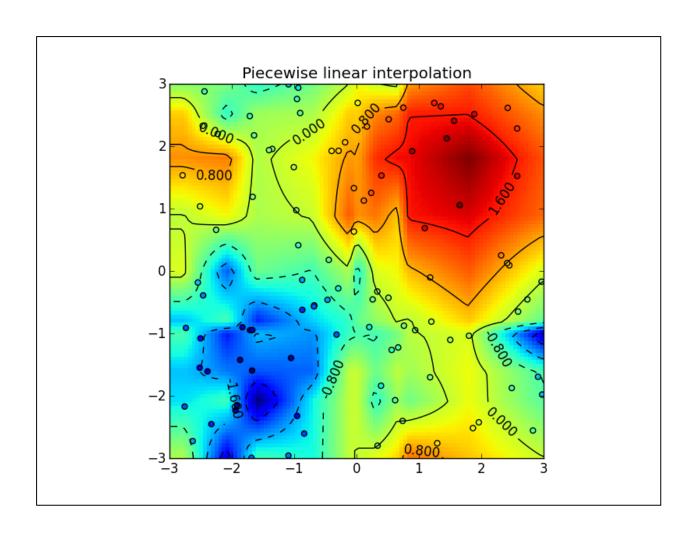


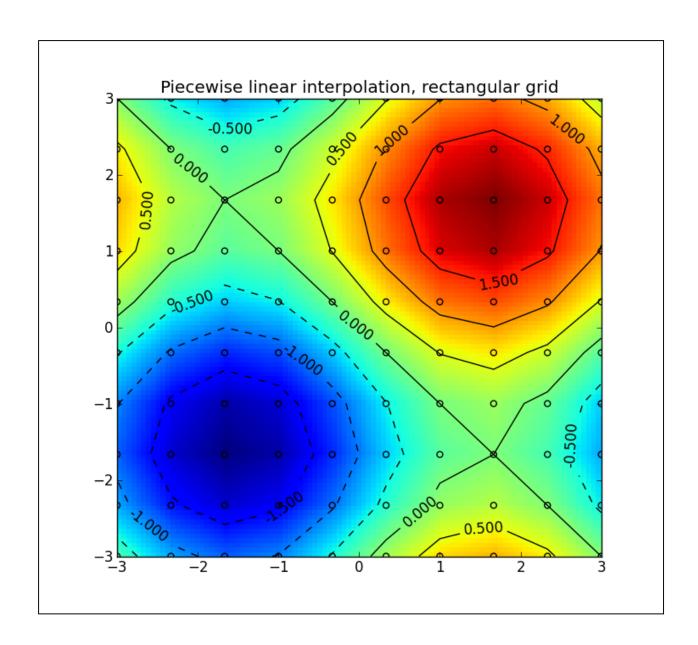


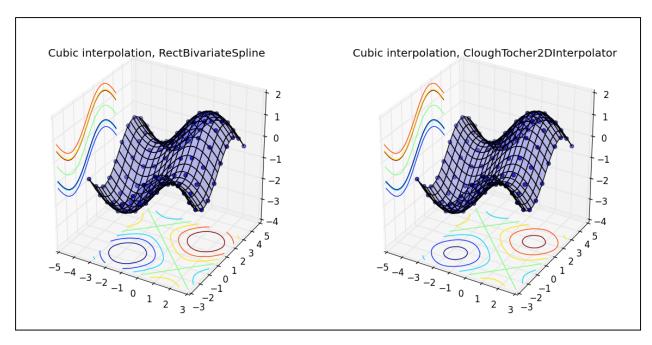


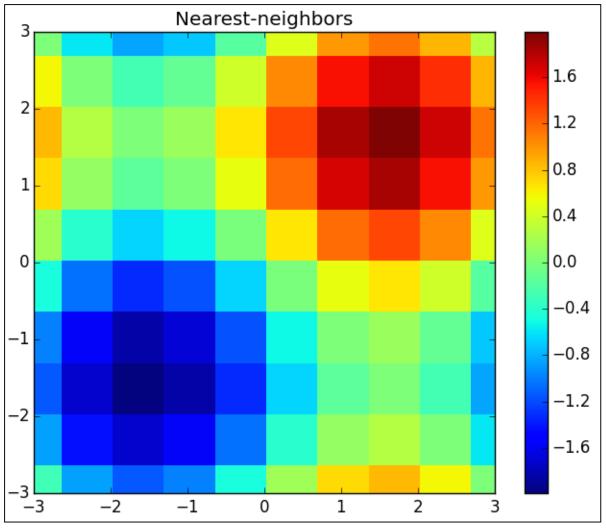


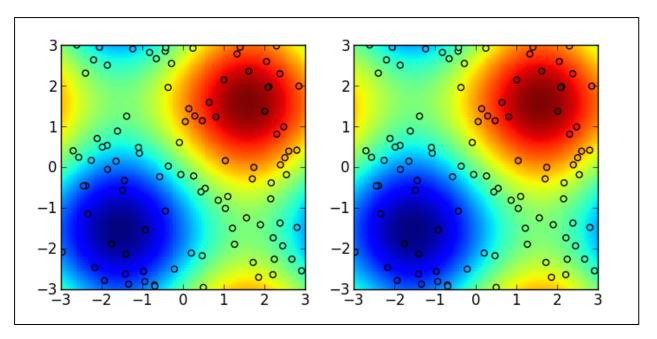


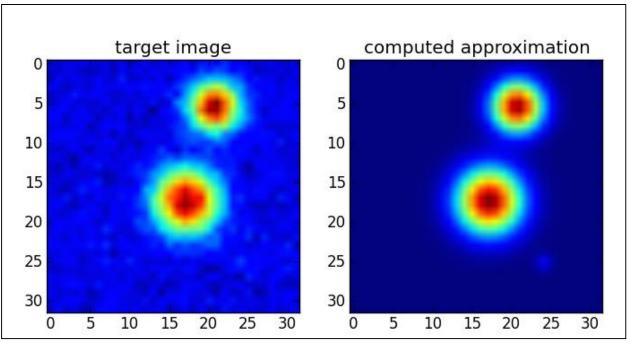






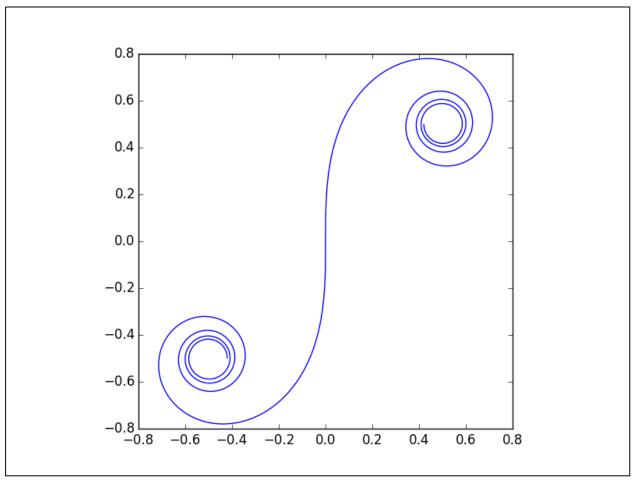




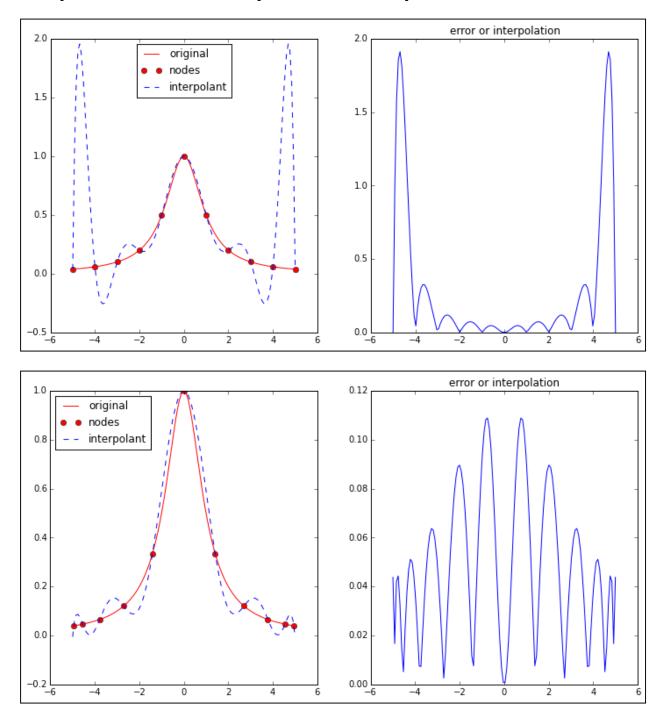


Chapter 3: Differentiation and Integration

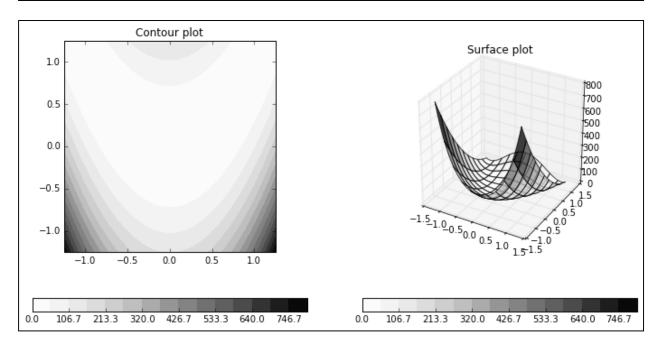




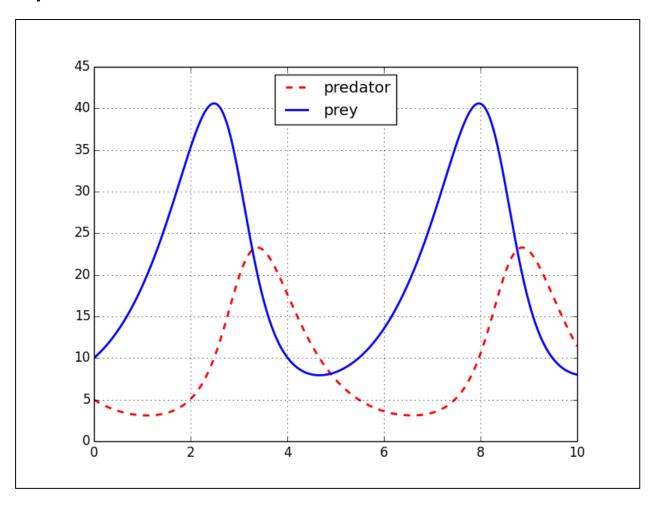
Chapter 4: Nonlinear Equations and Optimization

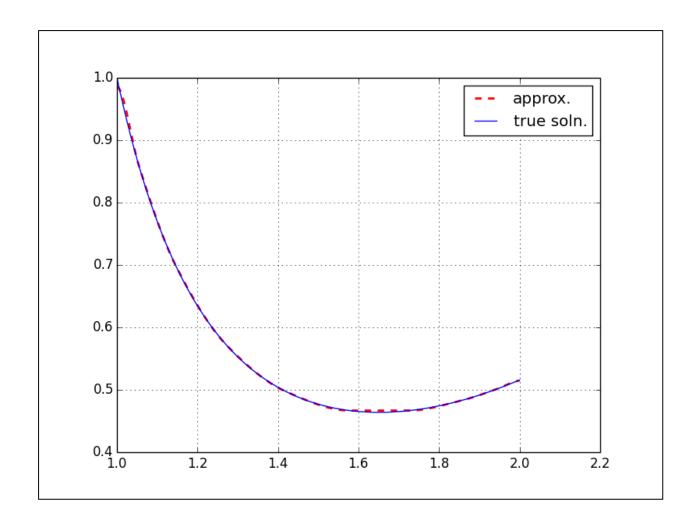


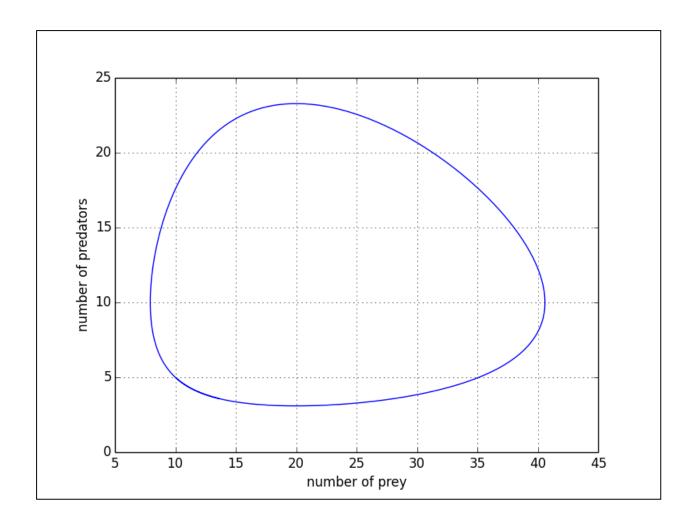
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-1, -4*x1 + 3,
                                                                                                                0],
0],
[-4*x0 + 3,
                                   Θ,
                                  -2,
                                                Θ,
                                                             Θ,
                                                                          Θ,
                                                                                      Θ,
                                                                                                   Θ,
                                                                                                                0],
0],
0],
                     -1, -4*x2 + 3,
          Θ,
                                               -2,
                                                             Θ,
                      Θ,
          Θ,
                                                                         Θ,
                                                                                                   Θ,
                                  -1, -4*x3 + 3,
                                                                                      Θ,
                                                            -2,
                                  Θ,
                      Θ,
                                                                                                   Θ,
          Θ,
                                               -1, -4*x4 + 3,
                                                                         -2,
                                                                                      Θ,
                                                                                                                Θ],
          Θ,
                       Θ,
                                   Θ,
                                                Θ,
                                                            -1,
                                                                 -4*x5 + 3,
                                                                                                   Θ,
                                                                                     -2,
                                                                                                  -2, 0],
+3, -2],
-1, -4*x8 + 3]])
          Θ,
                       Θ,
                                   Θ,
                                                Θ,
                                                             Θ,
                                                                         -1, -4*x6
                                                                                    + 3,
                                                                         Θ,
          Θ,
                                                Θ,
                                                             Θ,
                                                                                                 + 3,
                       Θ,
                                   Θ,
                                                                                     -1, -4*x7
                                                                                     Θ,
                      Θ,
                                                Θ,
                                                                         Θ,
          Θ,
                                   Θ,
                                                             Θ,
```



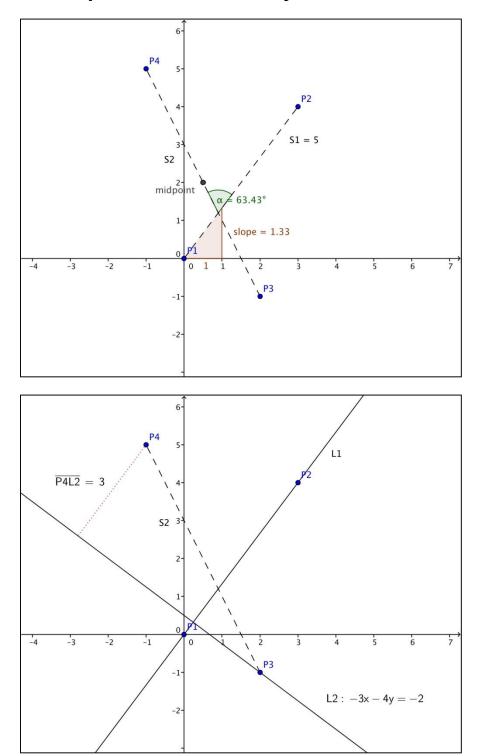
Chapter 5: Initial Value Problems for Ordinary Differential Equations

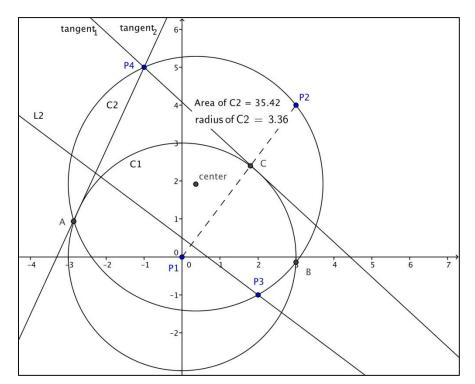


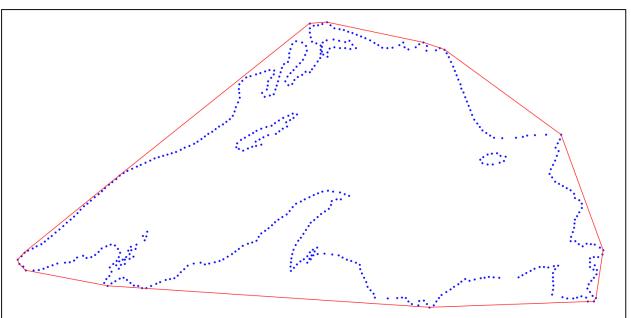


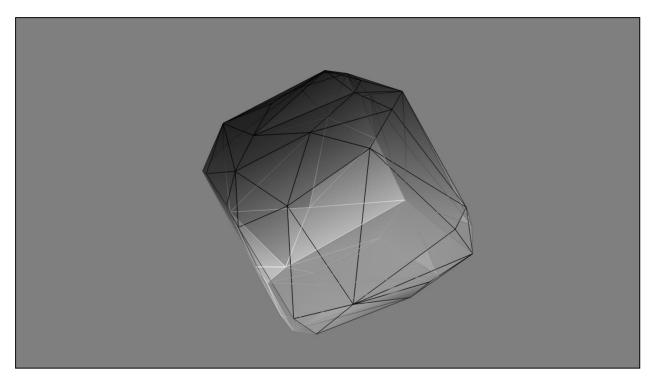


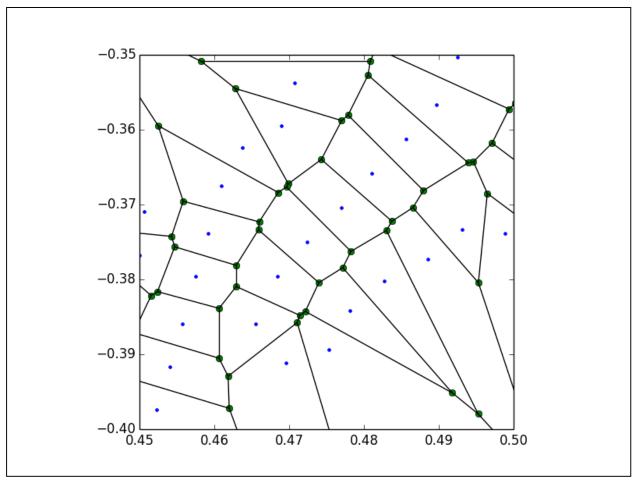
Chapter 6: Computational Geometry

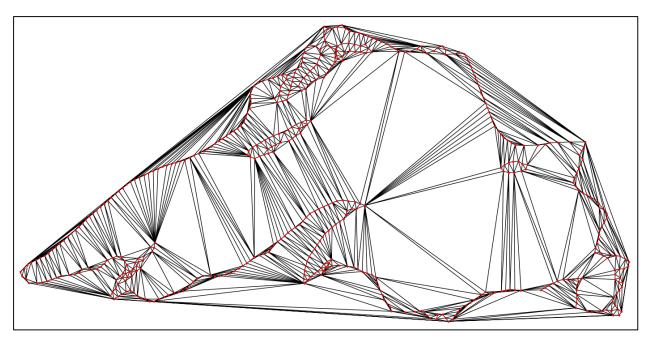


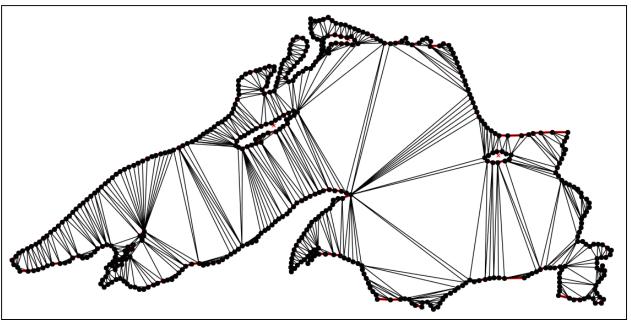


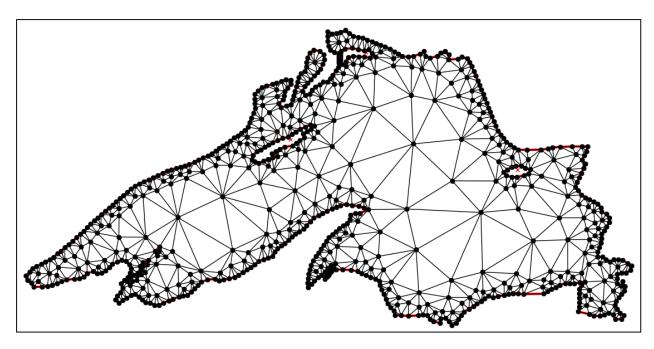


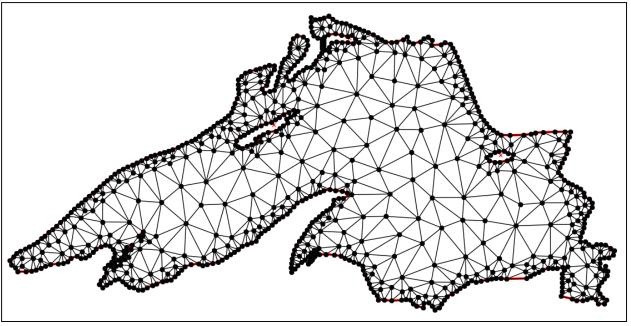


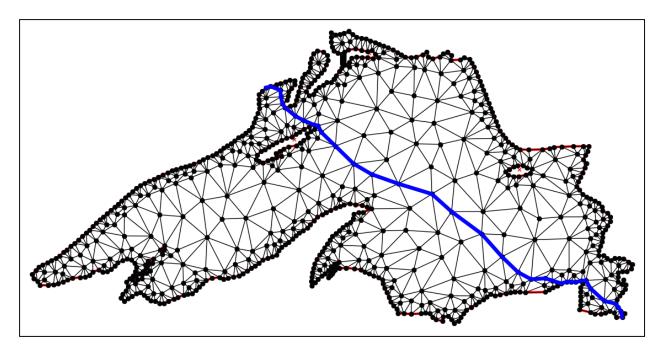


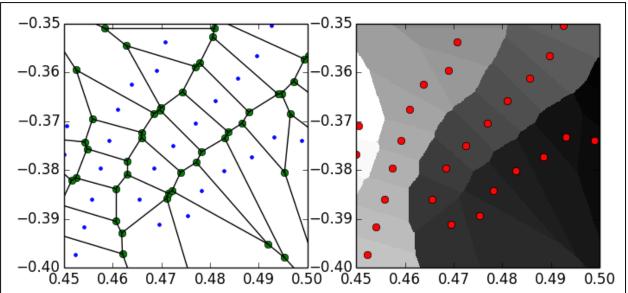


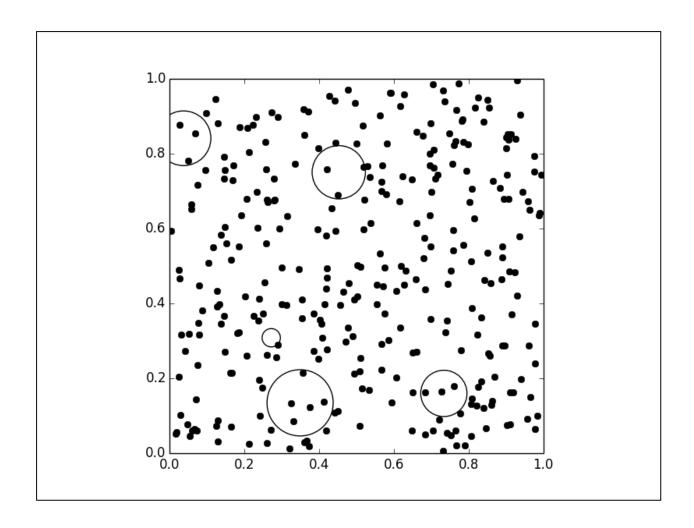


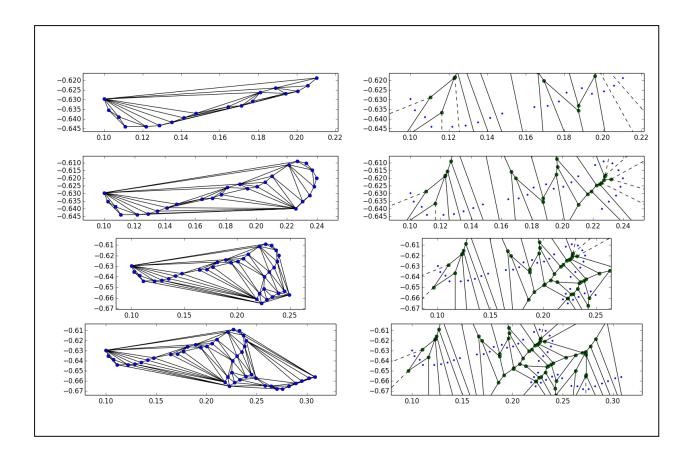


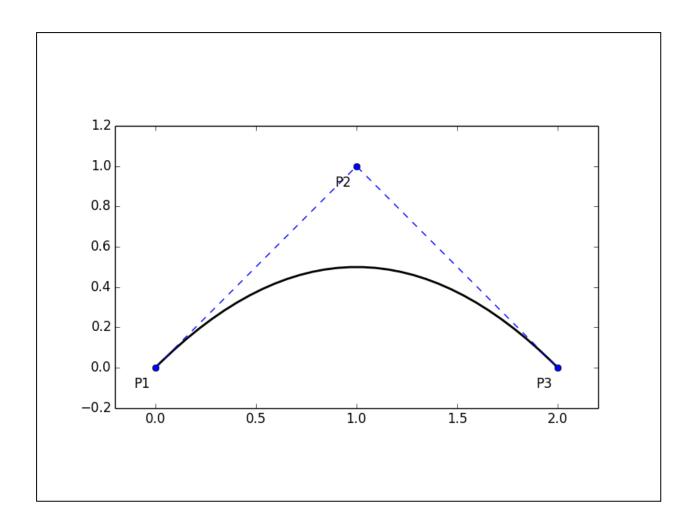


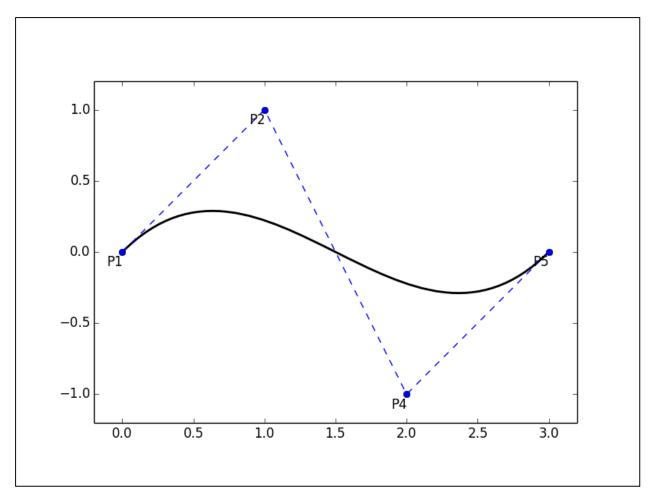


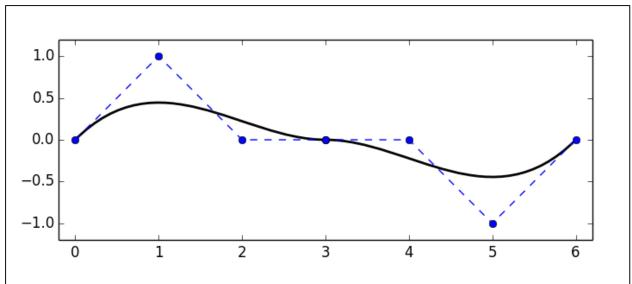


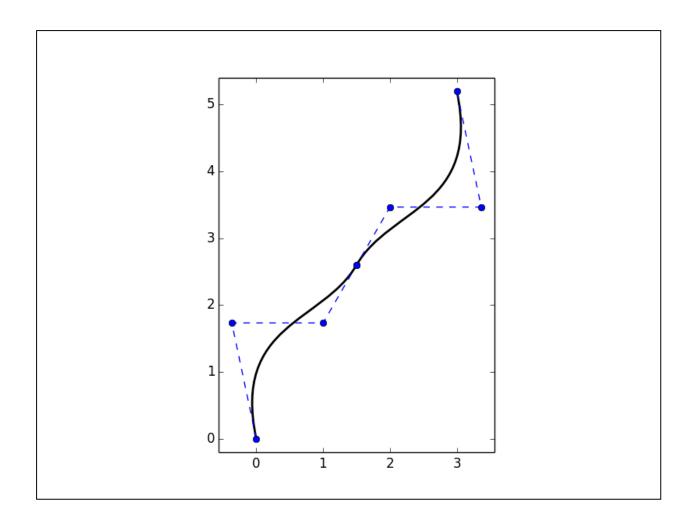




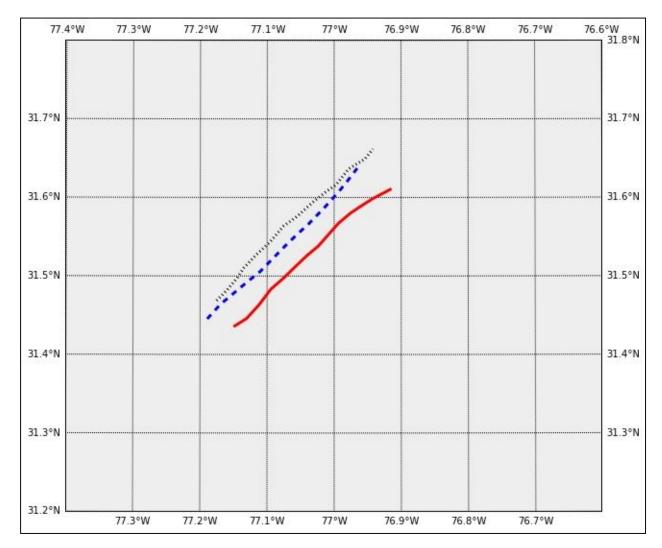


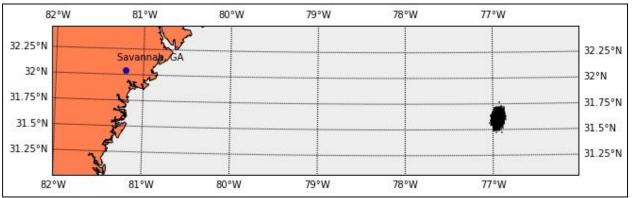


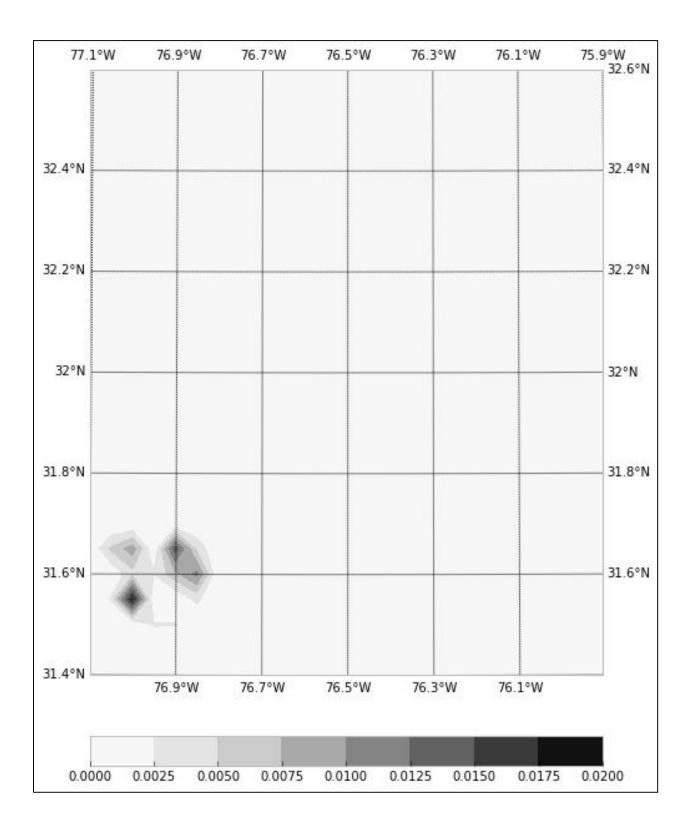


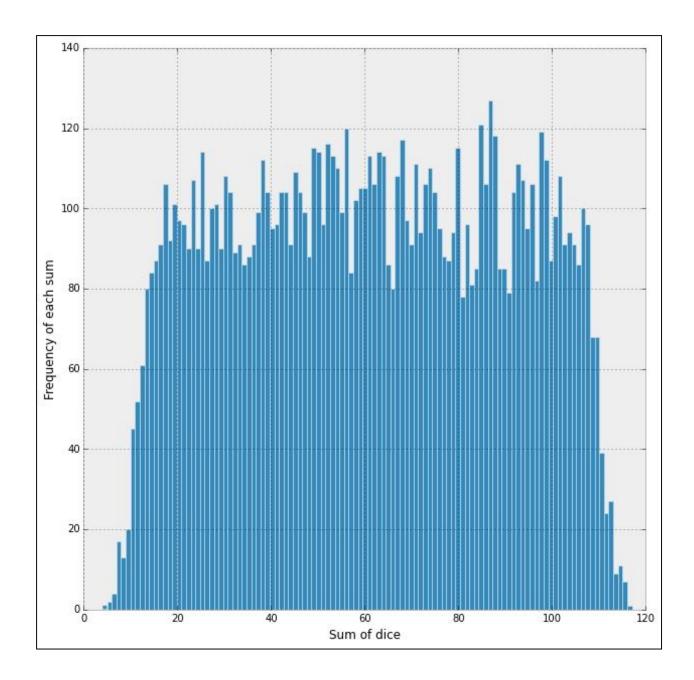


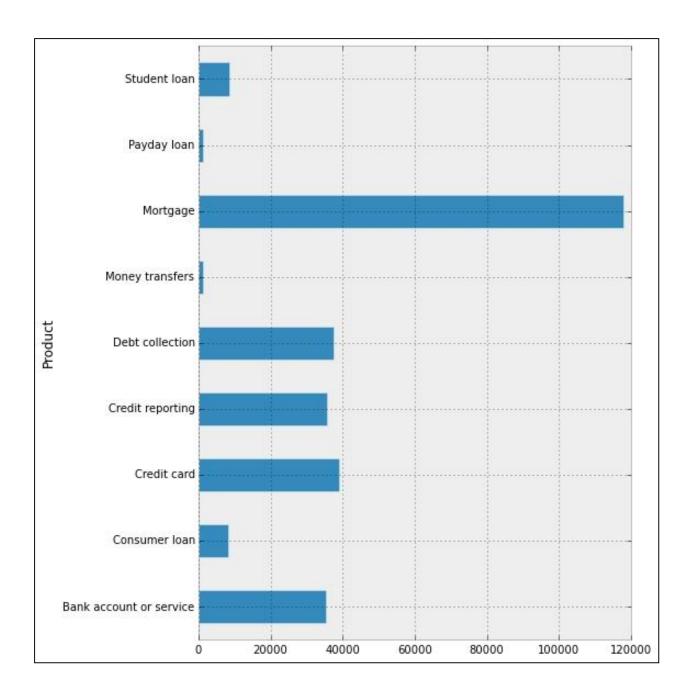
Chapter 7: Descriptive Statistics

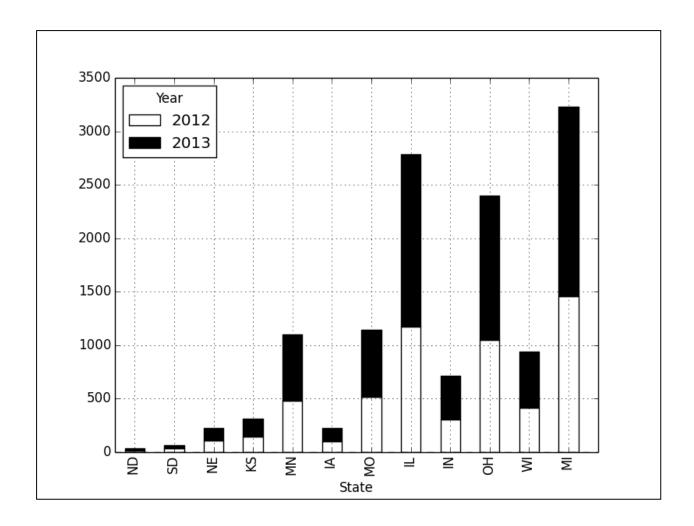


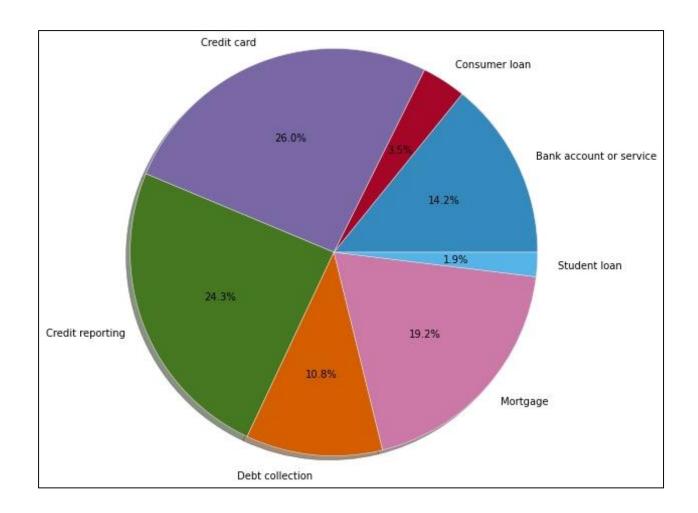


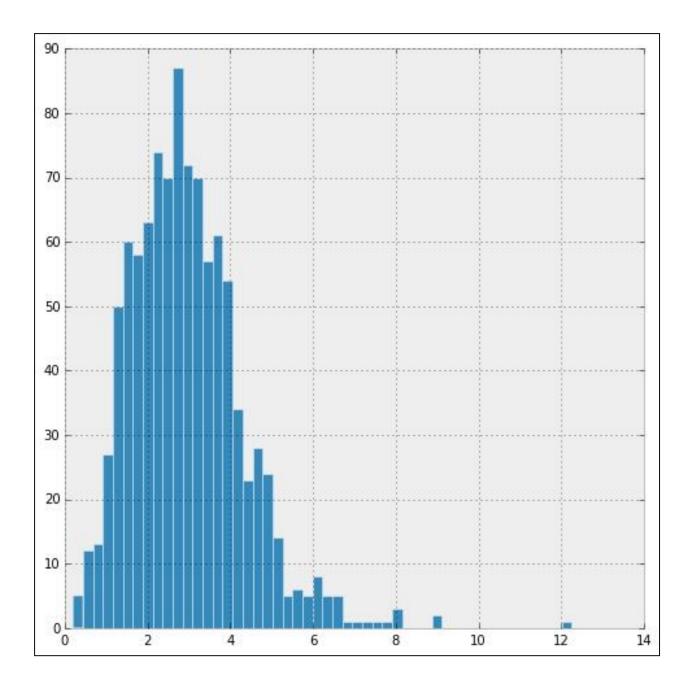


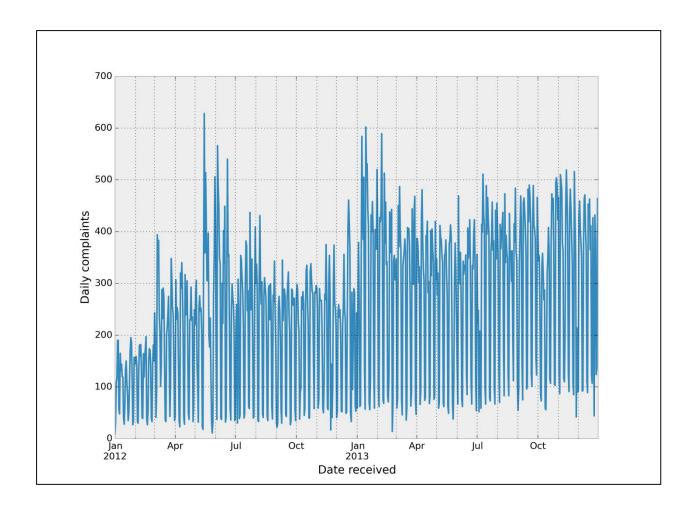


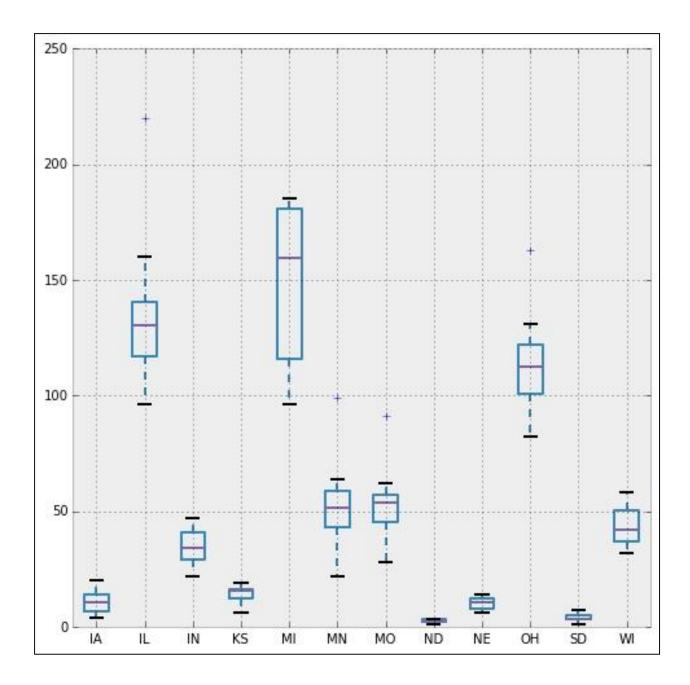


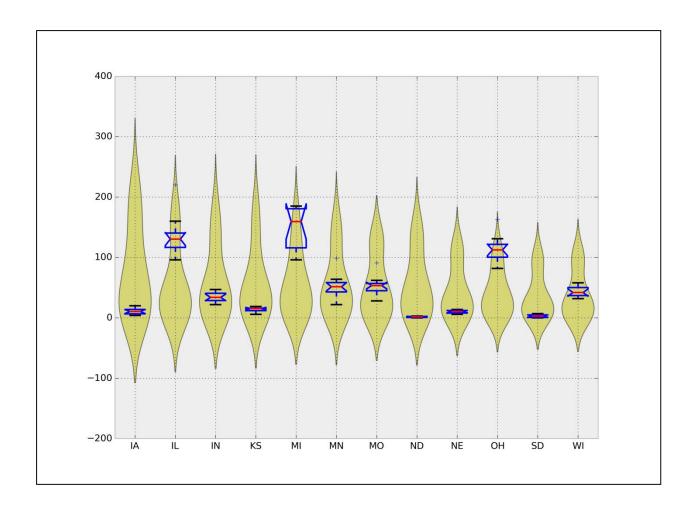


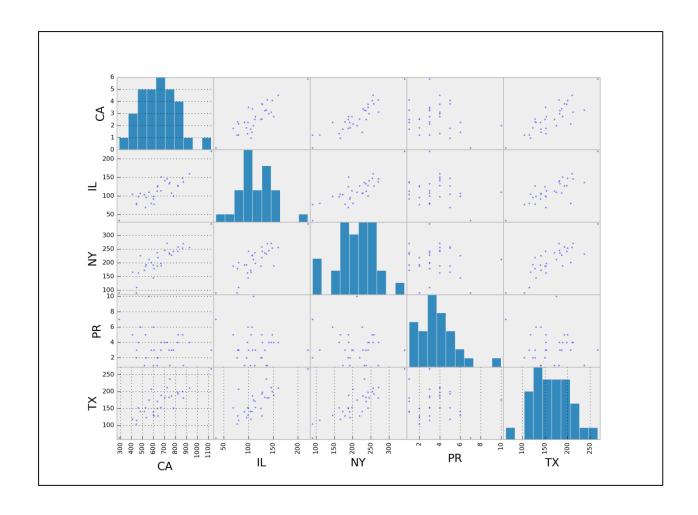


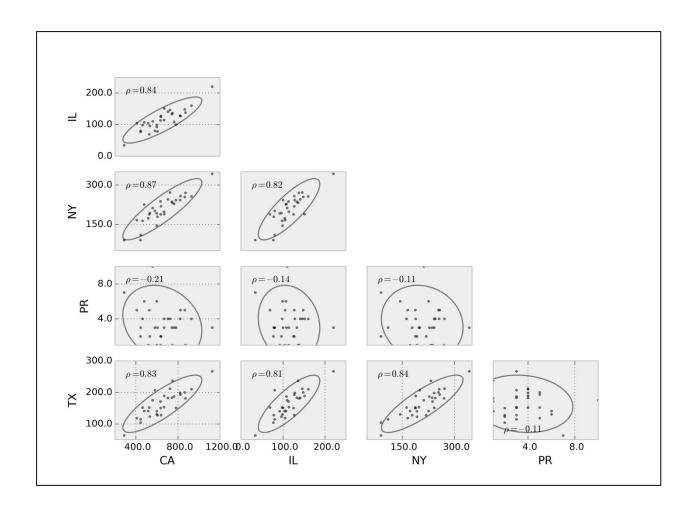


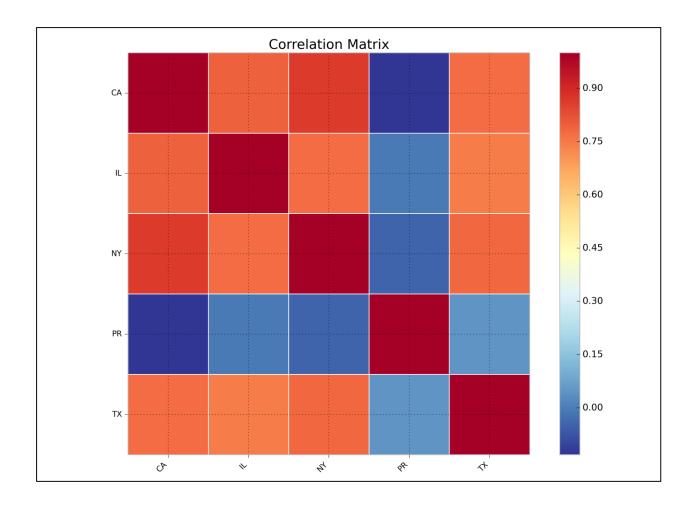


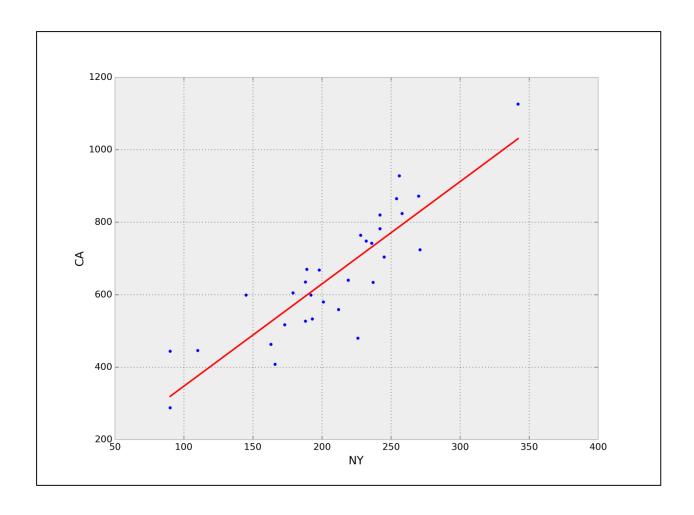


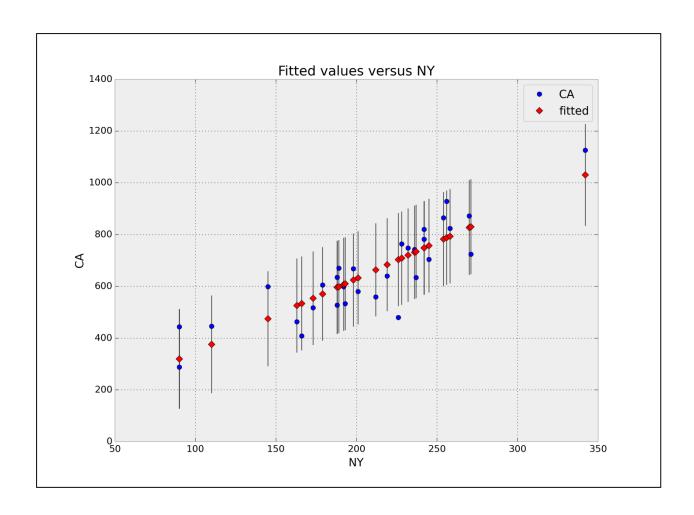


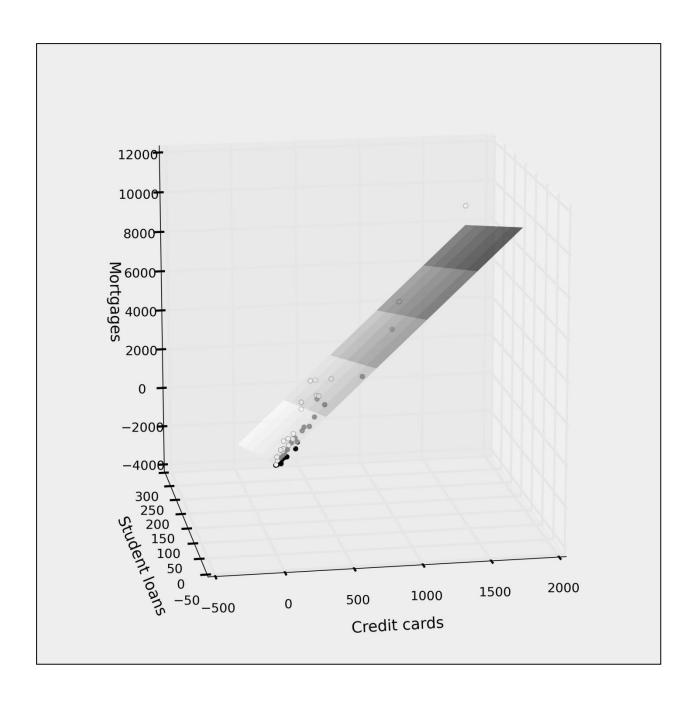


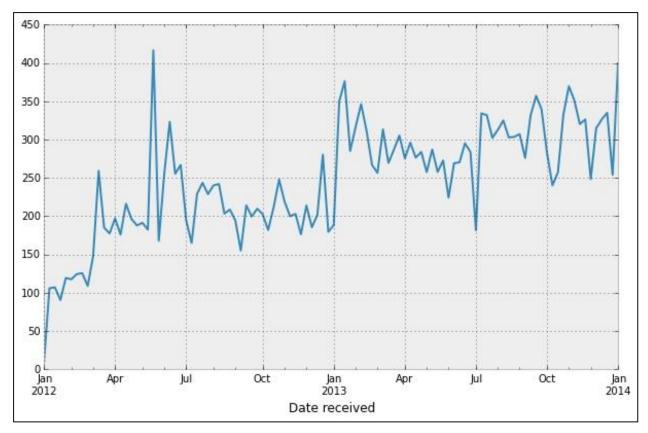


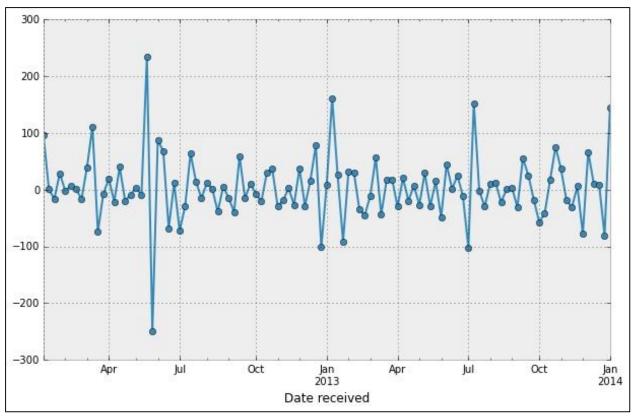


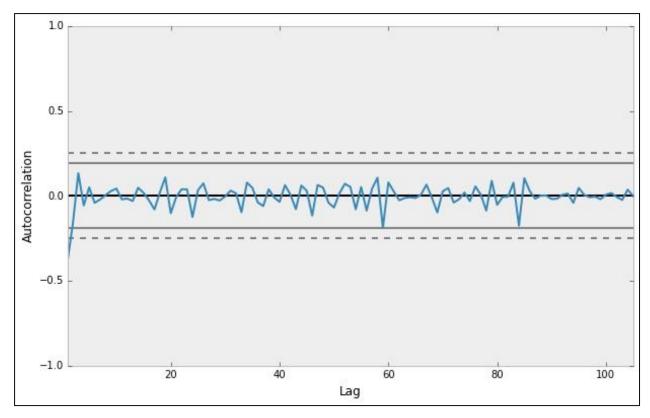


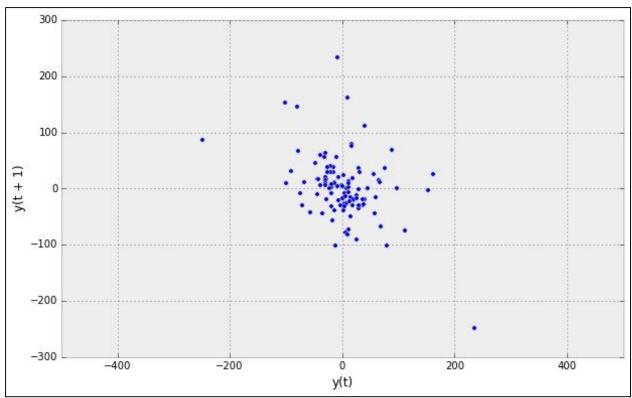


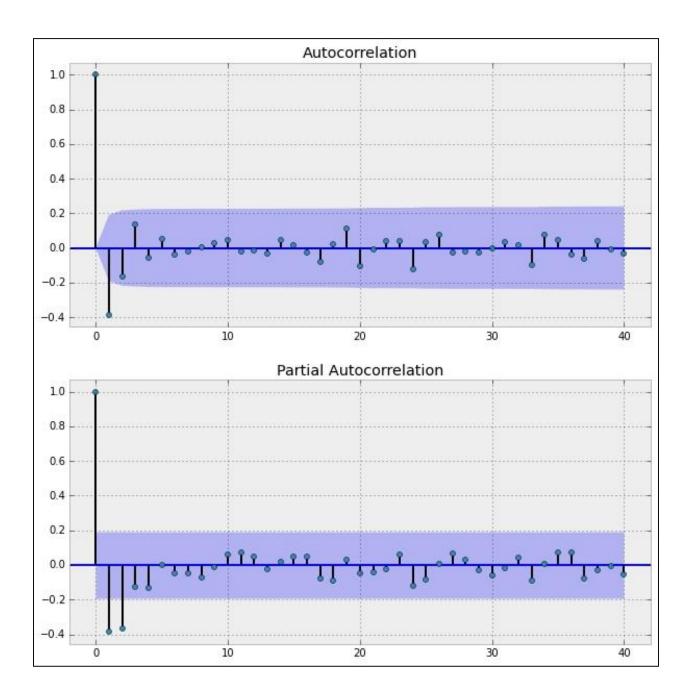




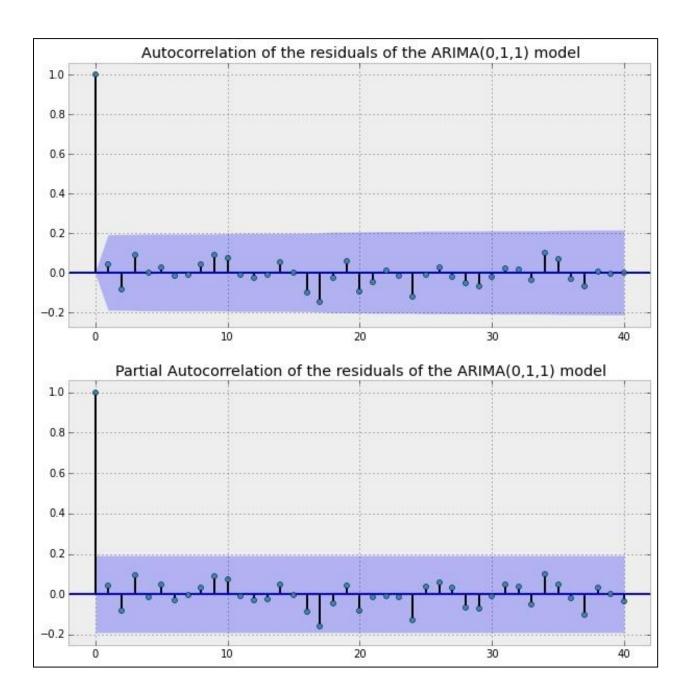


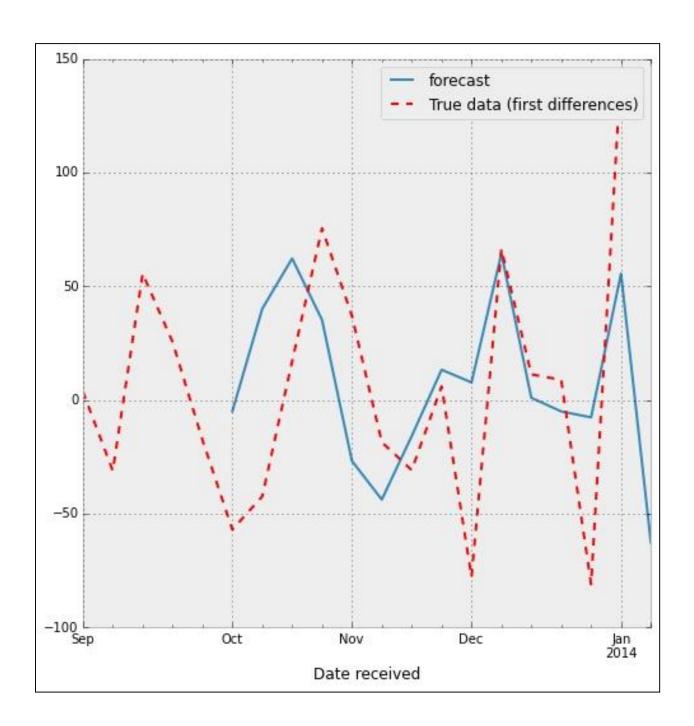




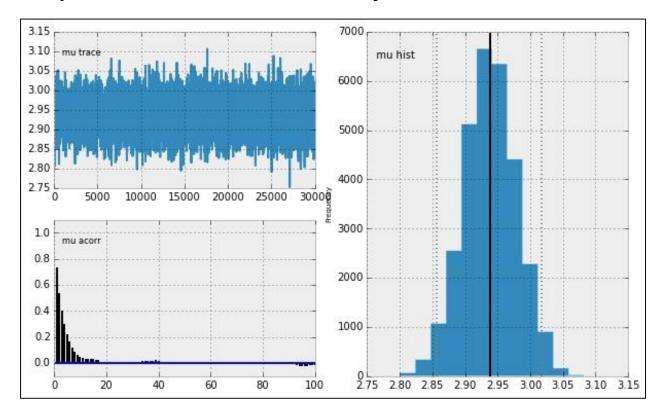


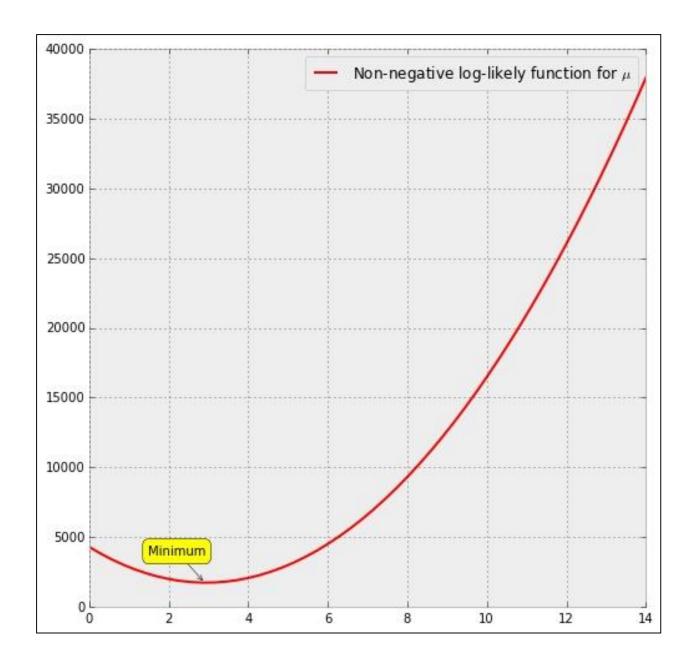
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Model:		ARIMA(0, 1,	1) Log Li	ikelihood		-555.94
Method:		css-	mle S.D. o	of innovations		48.04
Date:	Tu	e, 21 Oct 2	014 AIC			1117.88
Time:		00:01	:44 BIC			1125.84
Sample:		01-08-2	012 HQIC			1121.10
		- 01-05-2	014			
	coef	std err	z	P> z	[95.0% Cor	nf. Int.
const	2.4303	1.330	1.827	0.071	-0.177	5.03
ma.L1.D.y	-0.7246	0.070	-10.341	0.000	-0.862	-0.58
			Roots			
iew class	Real Imagin		aginary	Modulus	Fr	equency
MA:11 the in	1.3800	ion we +	 -0.0000j	1.3800		0.0000

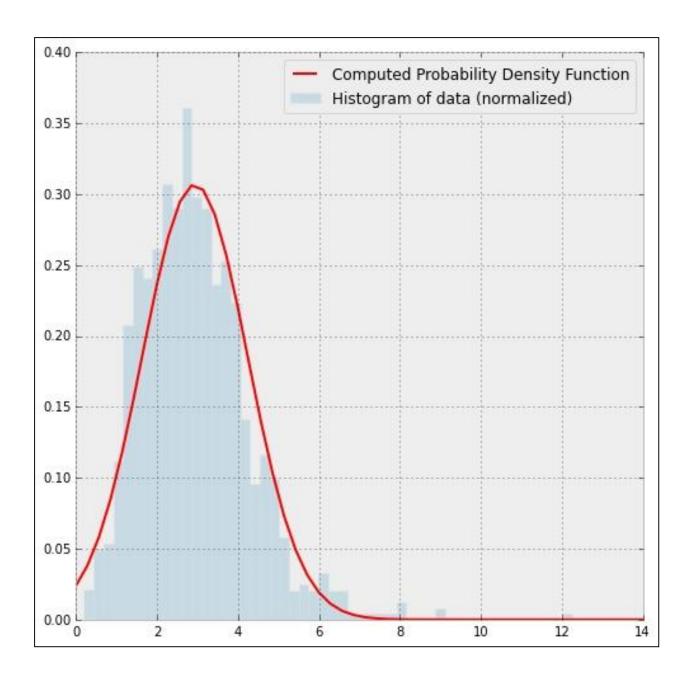


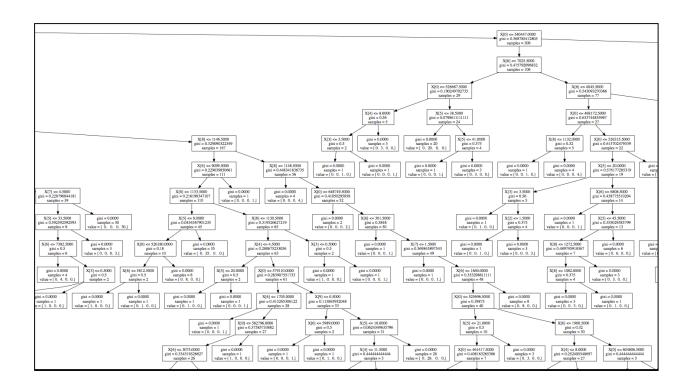


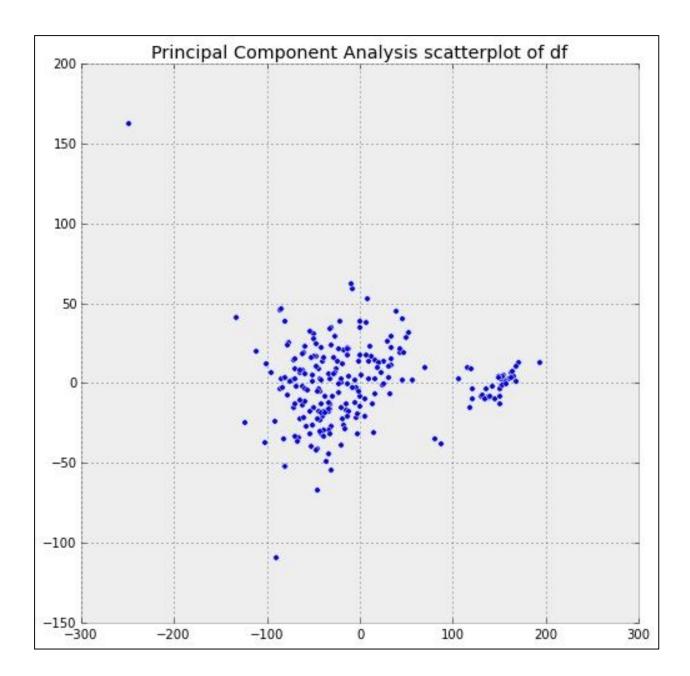
Chapter 8: Inference and Data Analysis

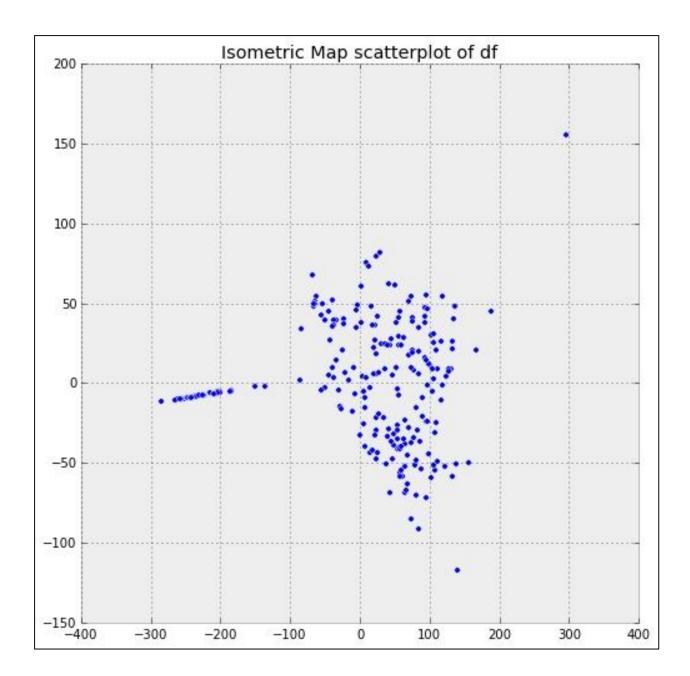


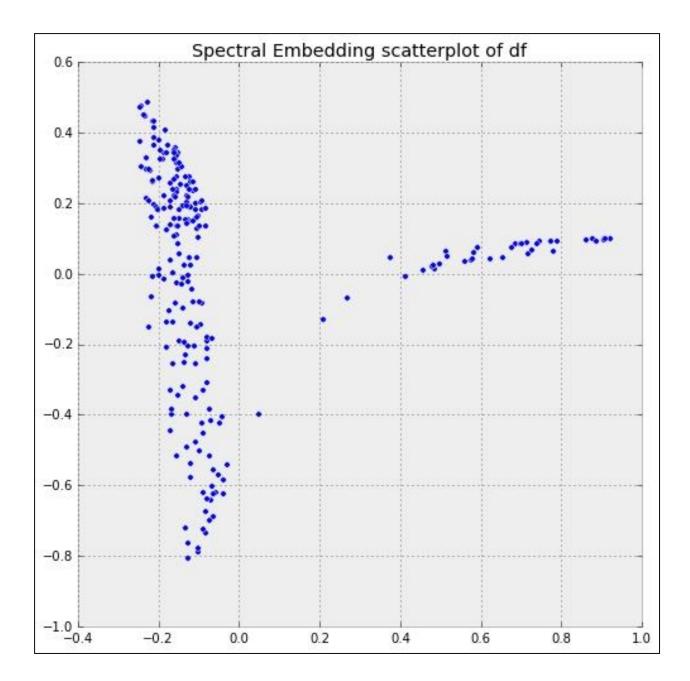


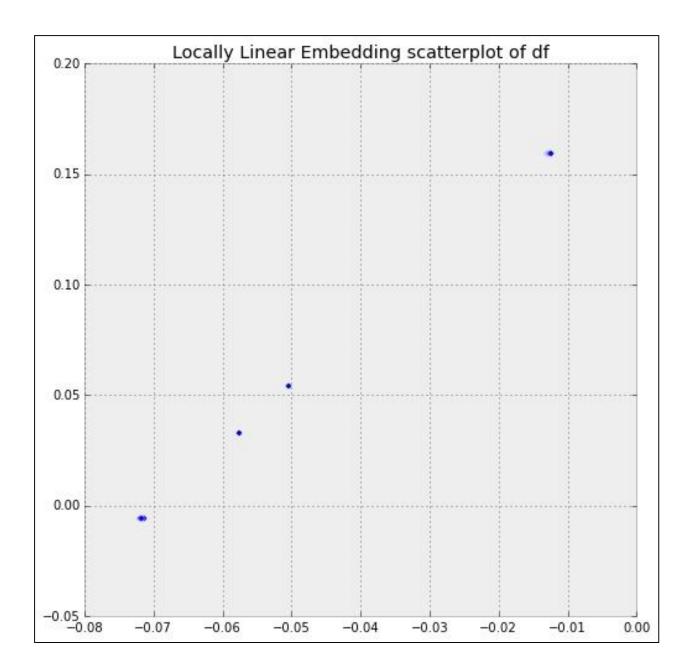


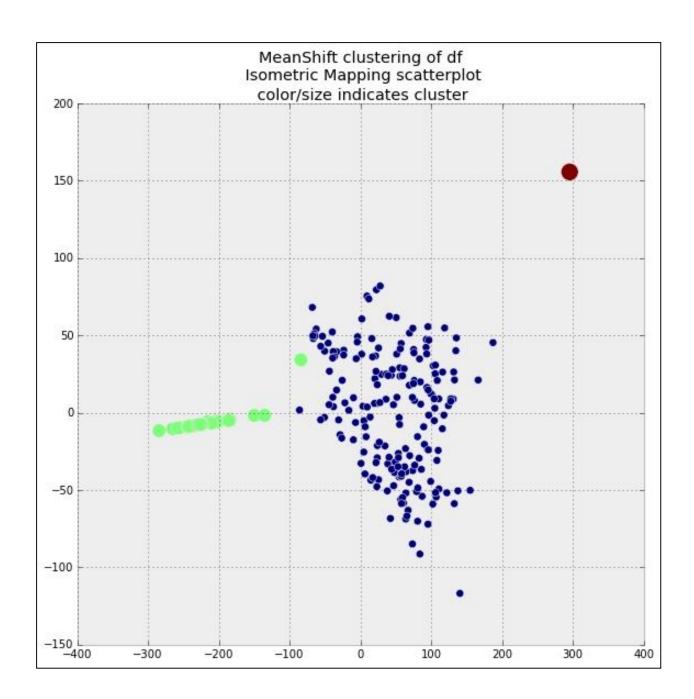


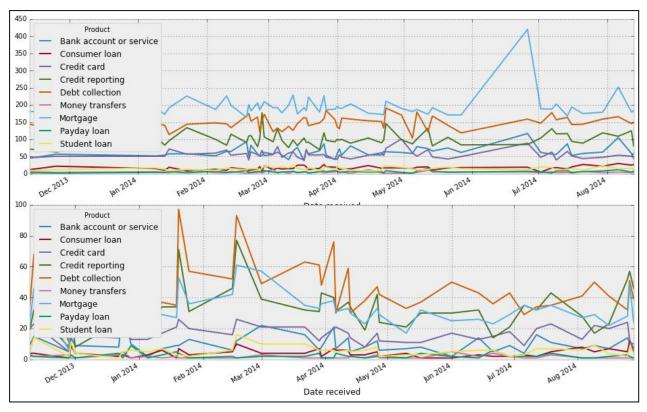


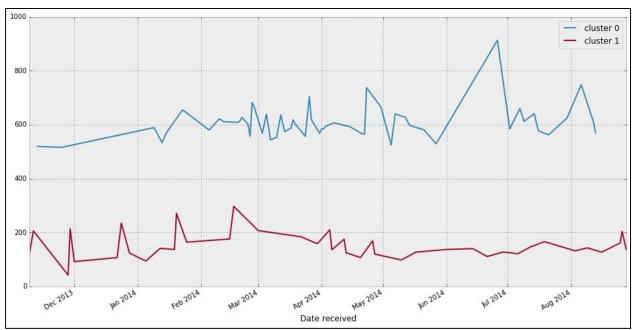


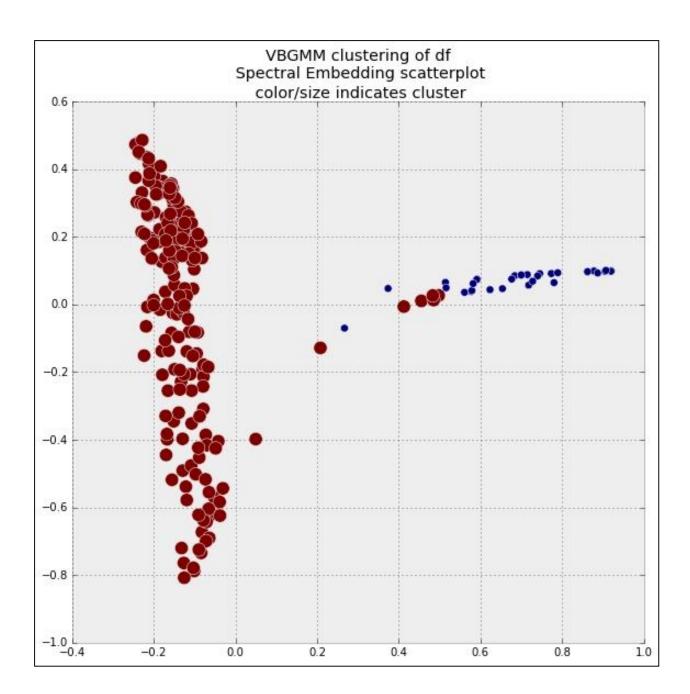


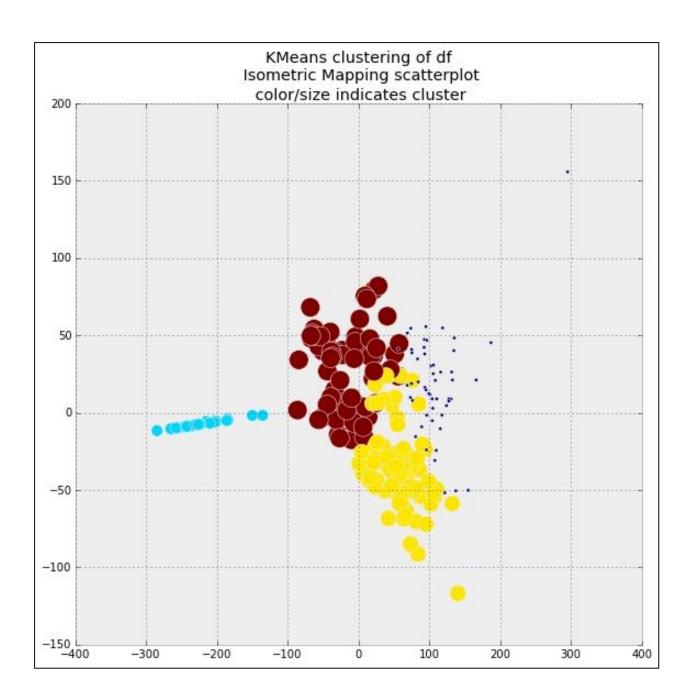


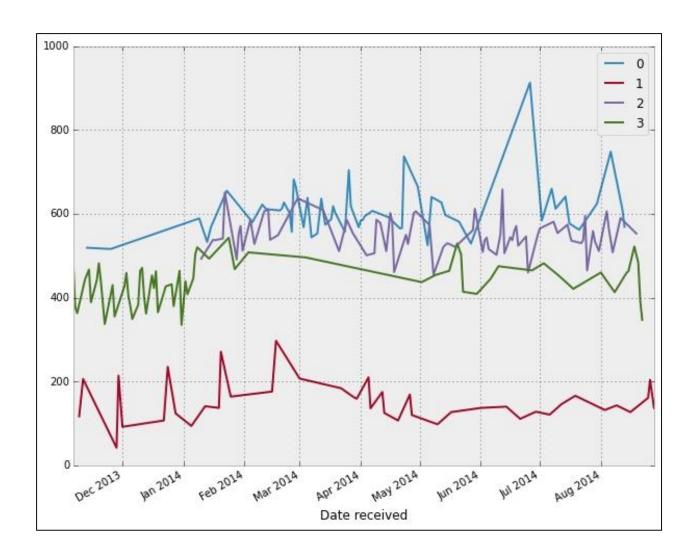












Chapter 9: Mathematical Imaging

