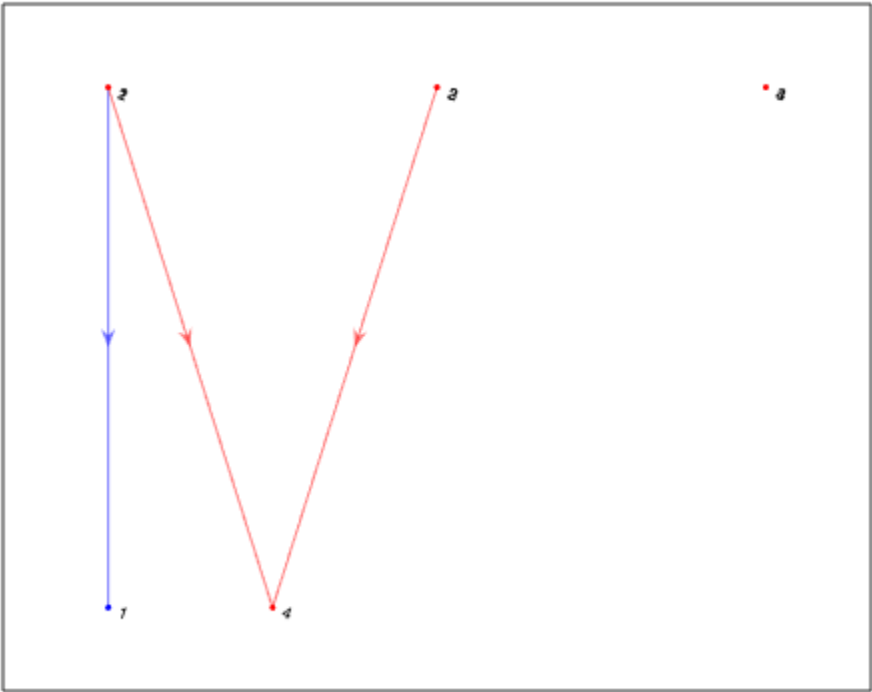

Table of Contents

.....	1
Inferred Network Graph	1
Regulation Detection Scores for Self-Regulation	1
Regulation Detection scores for across component interactions (column variable acting on row variable)	2
Inferred Interactions	2
Fourier Fits	3
Regulation detection functions for self-regulations	6
Regulation detection functions	13

Inferred Network Graph



Regulation Detection Scores for Self-Regulation

Columns 1 through 3

0	1.0000000000000000	-0.791724658797428
---	--------------------	--------------------

-0.995639489051110	0	0.938199985158743
0.748687769317651	-0.408583821395804	0
0.999984768042800	0.999912132813896	-0.898816299639058

Column 4

-0.999942840407653
-0.977224529692124
0.998297351468368
0

Regulation Detection scores for across component interactions (column variable acting on row variable)

Columns 1 through 3

0	-1.0000000000000000	-0.999990348501091
1.0000000000000000	0	-1.0000000000000000
0.998065287860374	0.998833290746270	0
0.999960993574299	0.999642341030045	0.999372743942660

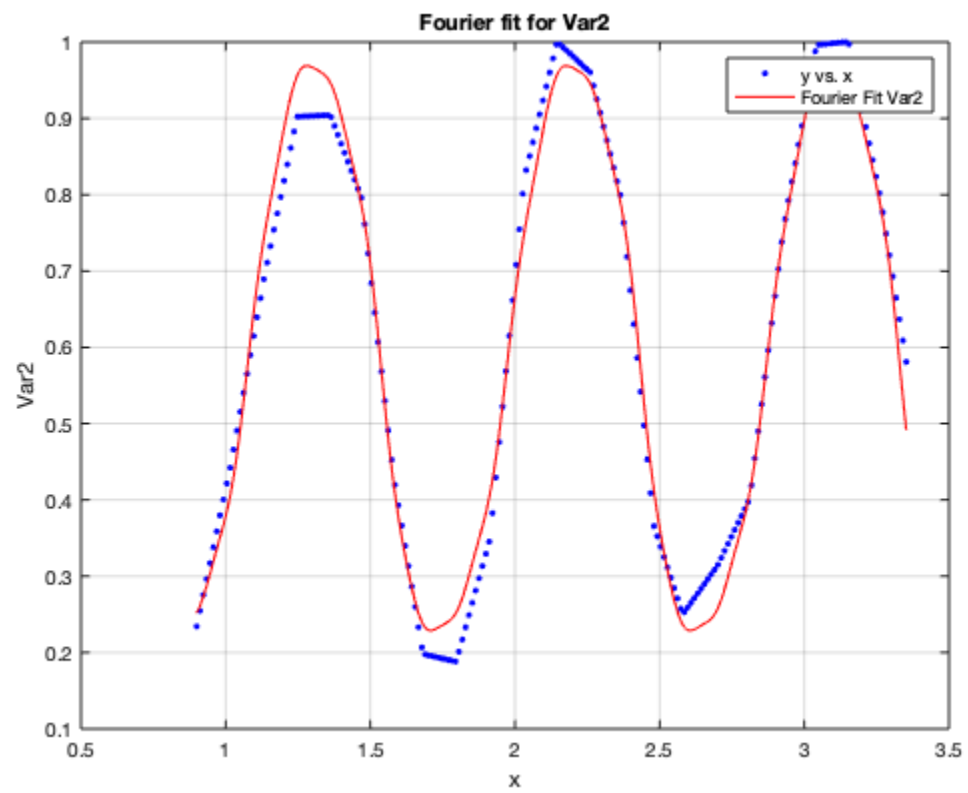
Column 4

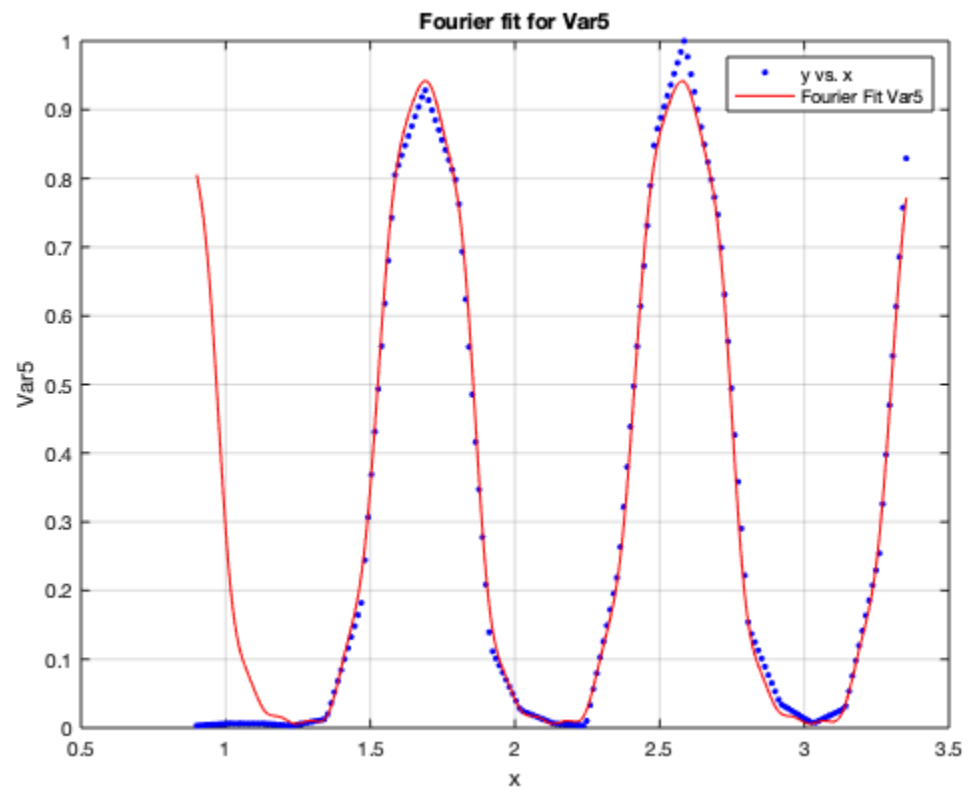
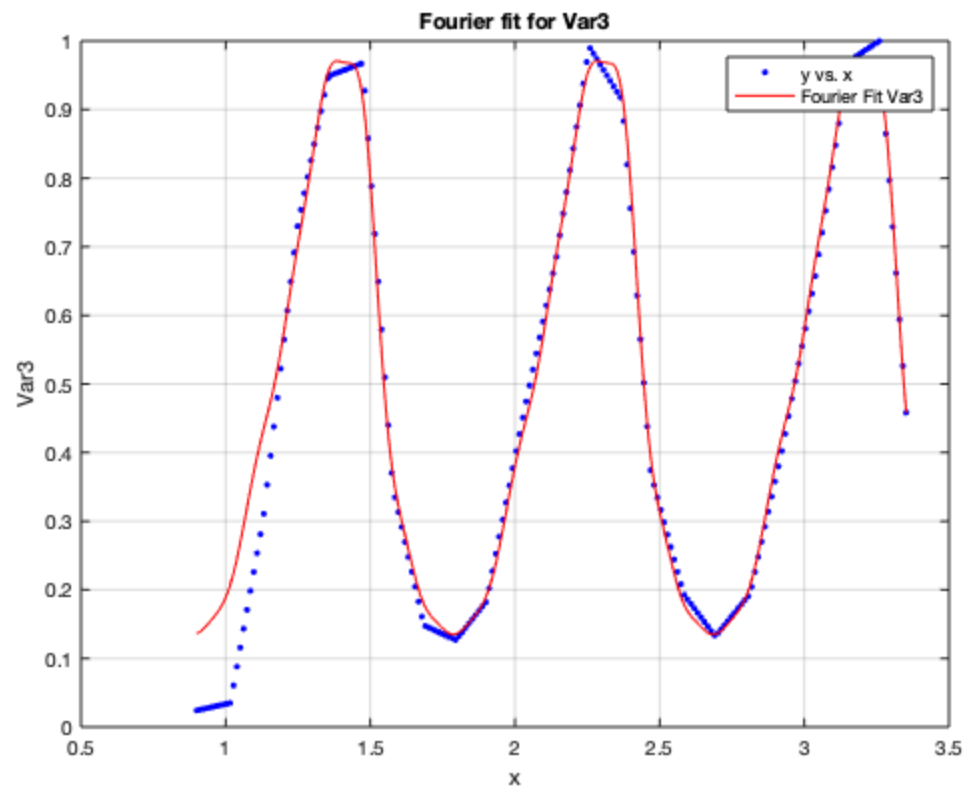
-0.999991655305110
-1.0000000000000000
-0.999383080315160
0

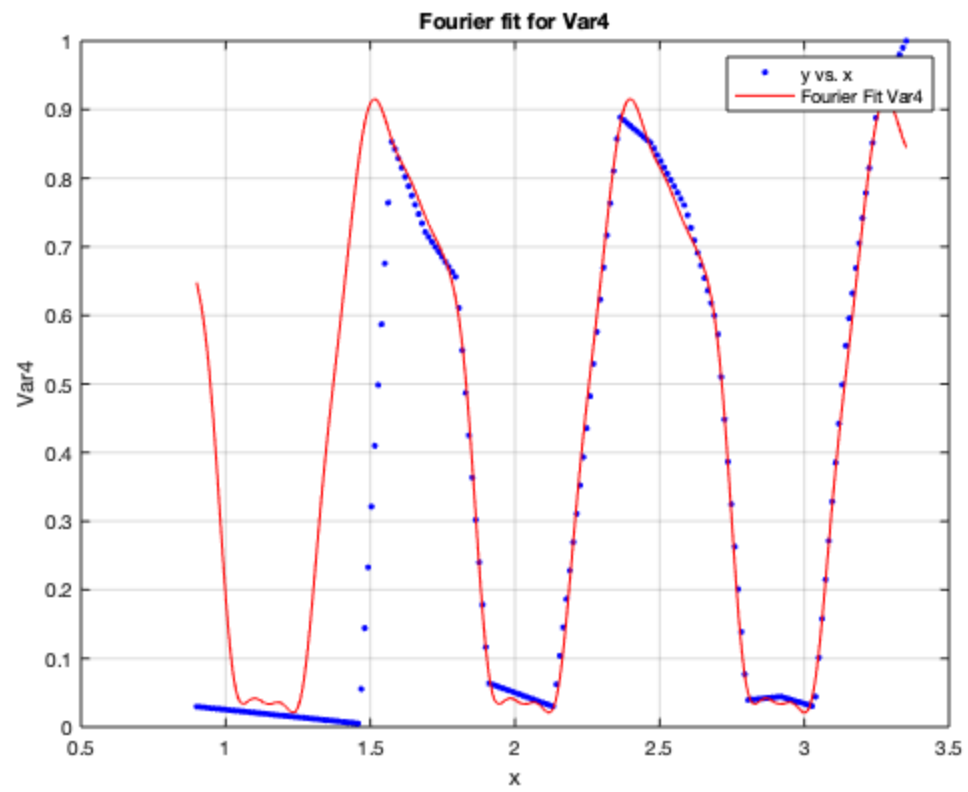
Inferred Interactions

Variable 4 negatively regulates Variable 1
 Variable 1 positively regulates Variable 2
 Variable 4 negatively regulates Variable 2

Fourier Fits

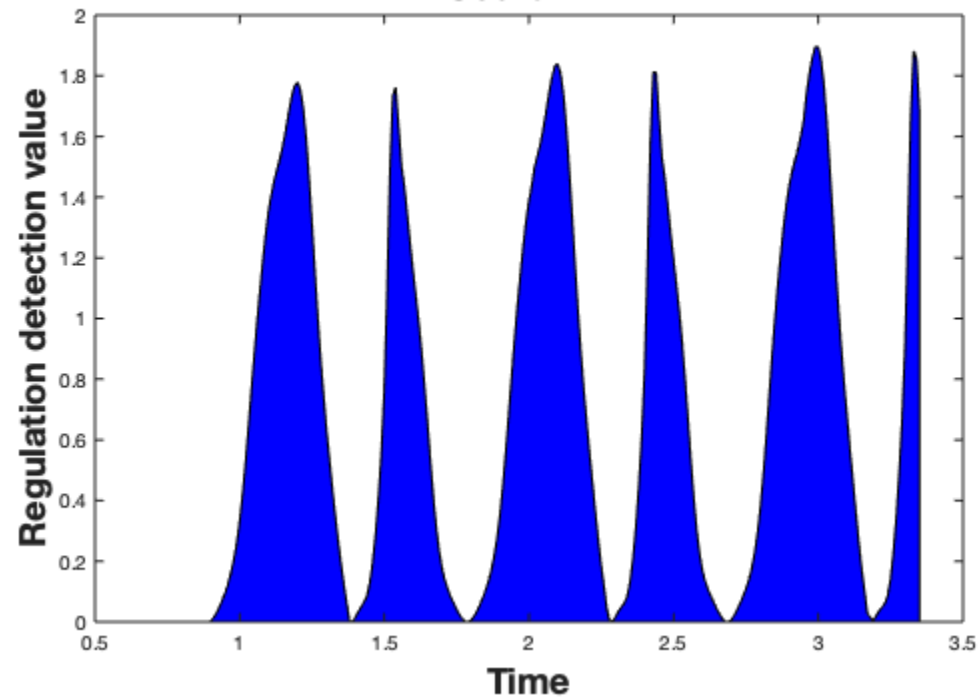




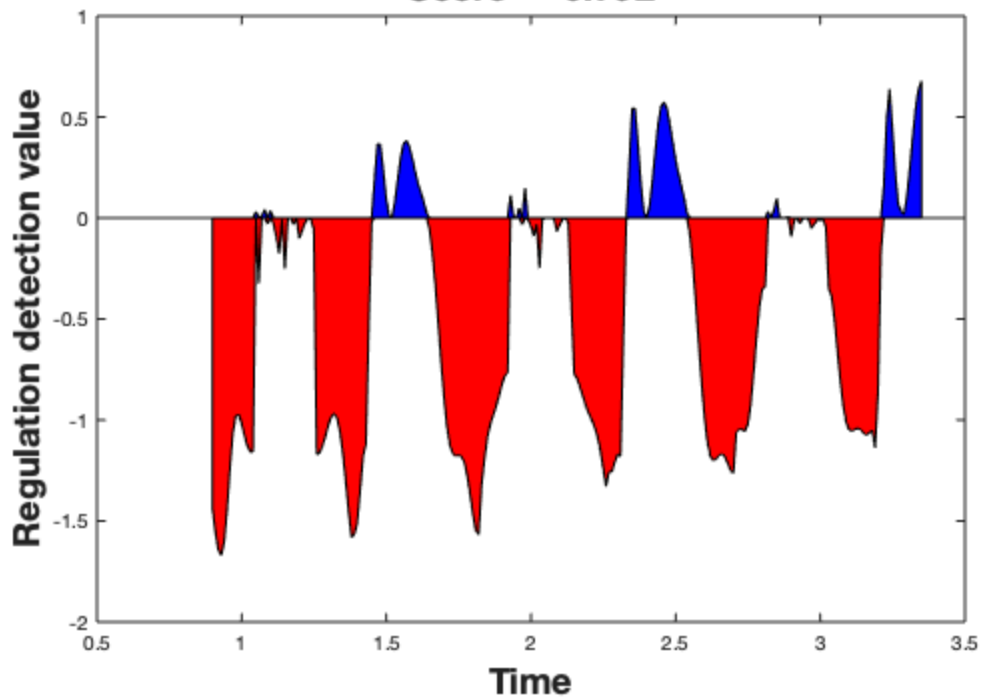


Regulation detection functions for self-regulations

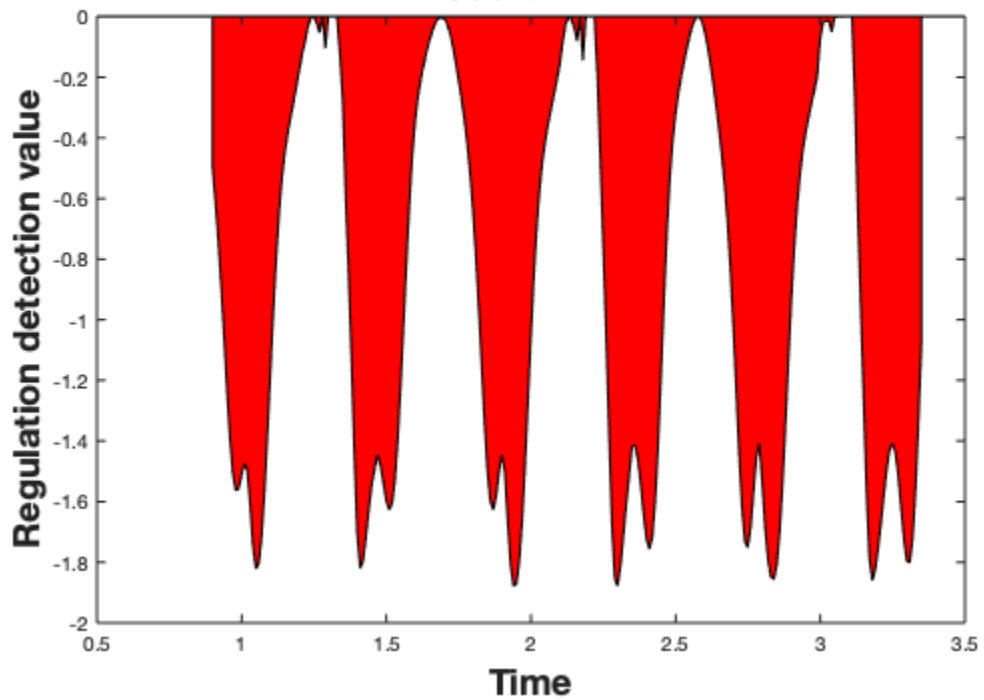
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 2
Score = 1



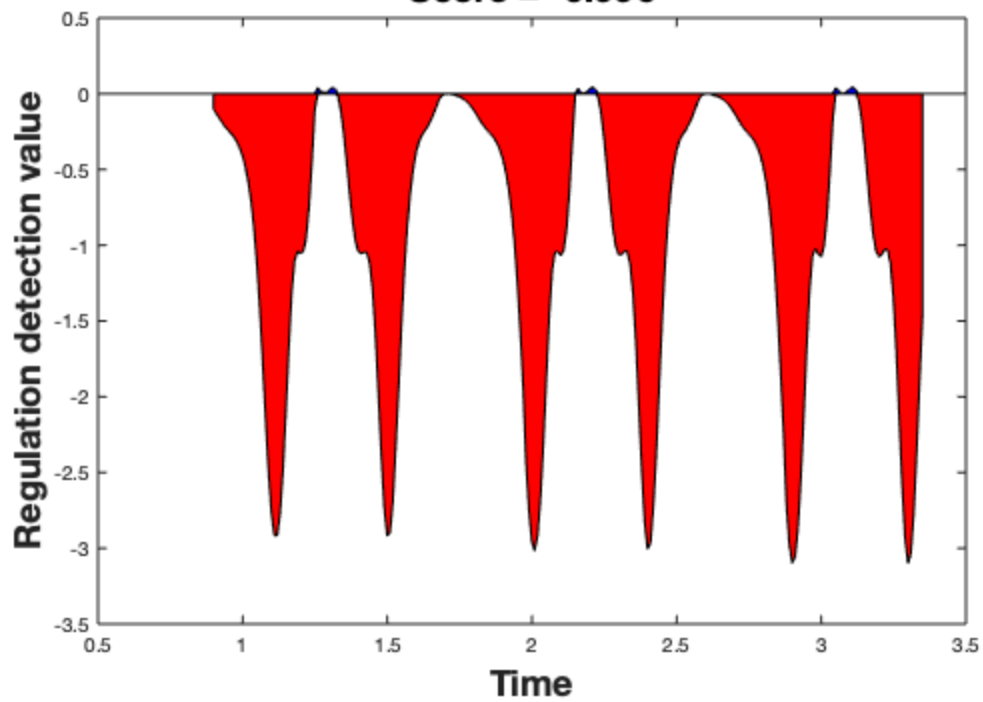
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 3
Score = -0.792



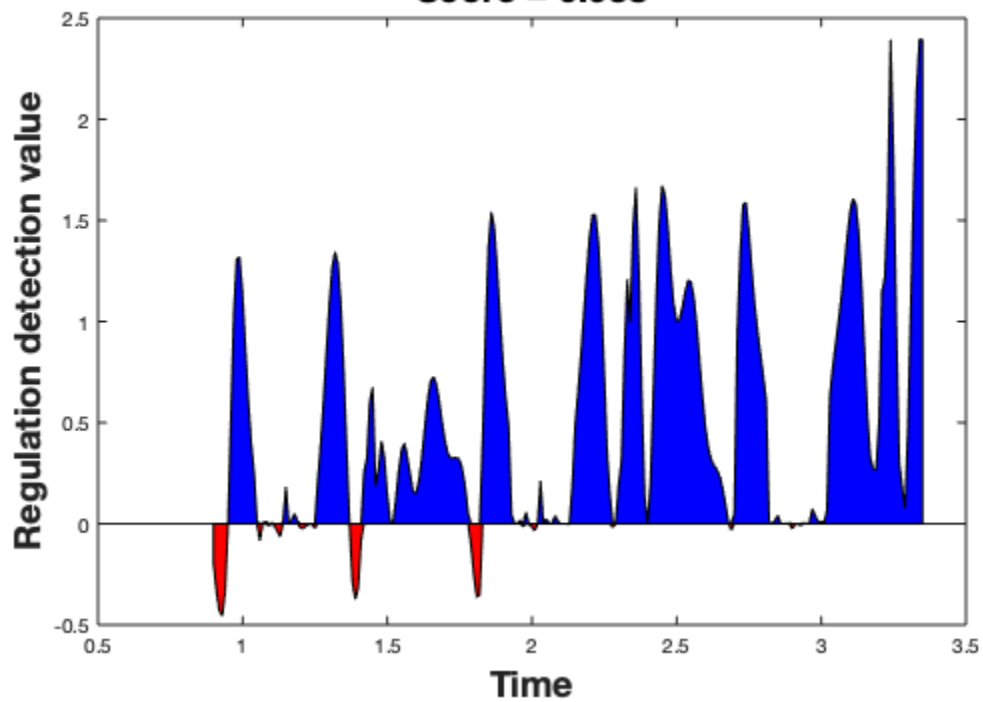
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 4
Score = -1



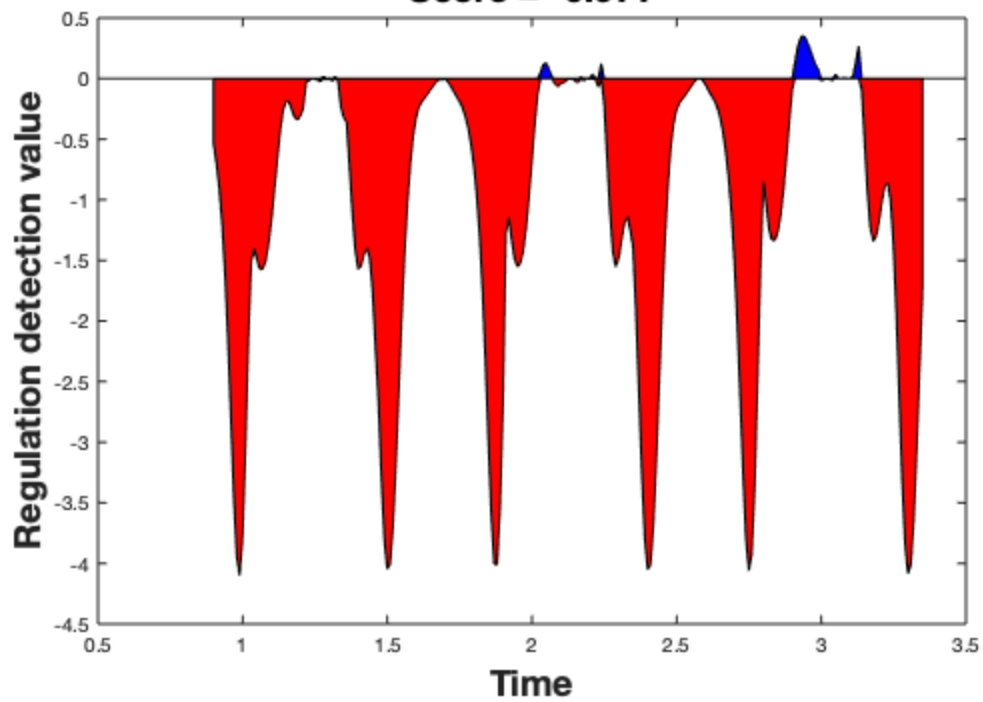
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 1
Score = -0.996



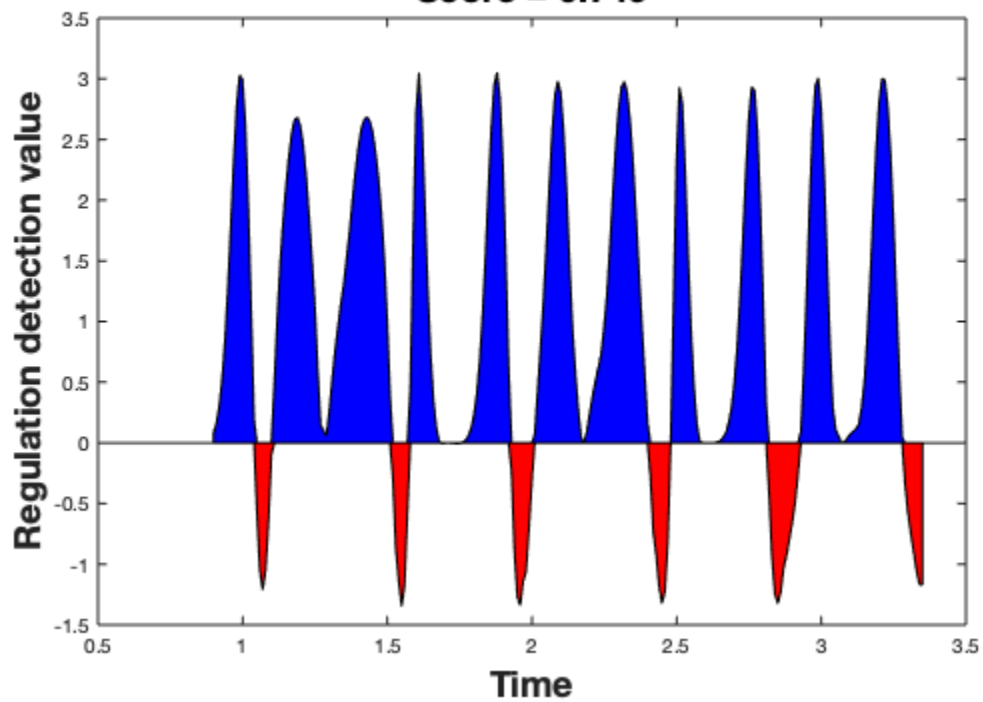
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 3
Score = 0.938



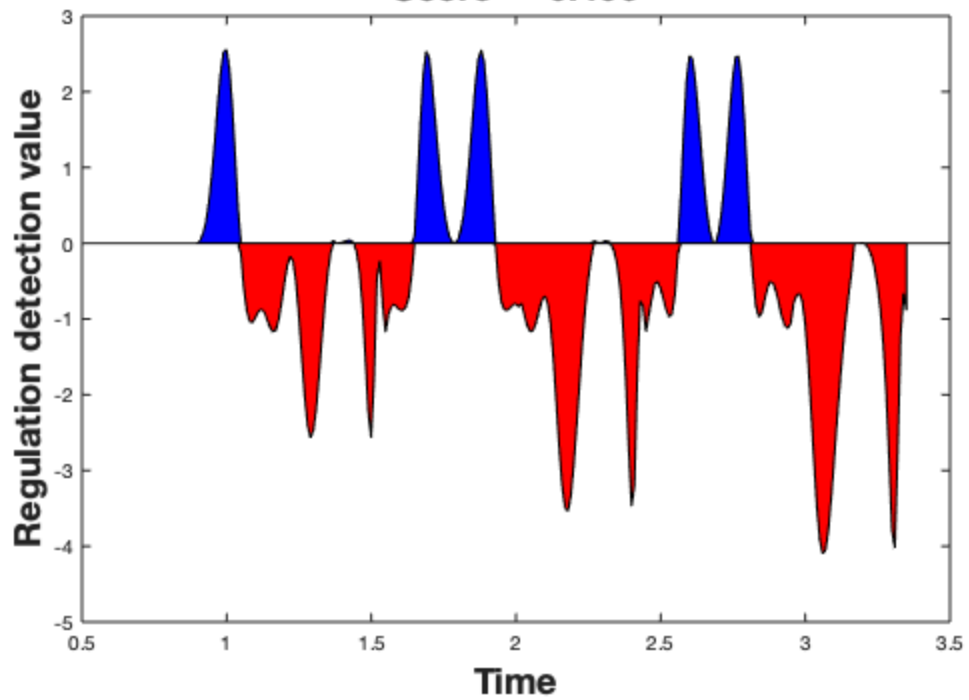
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 4
Score = -0.977



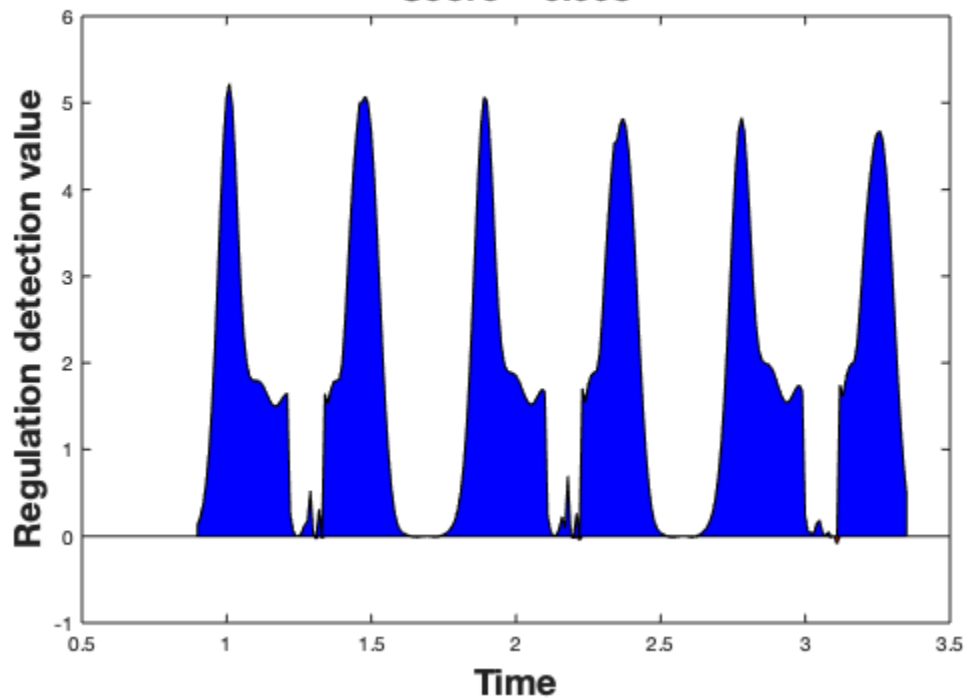
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 1
Score = 0.749



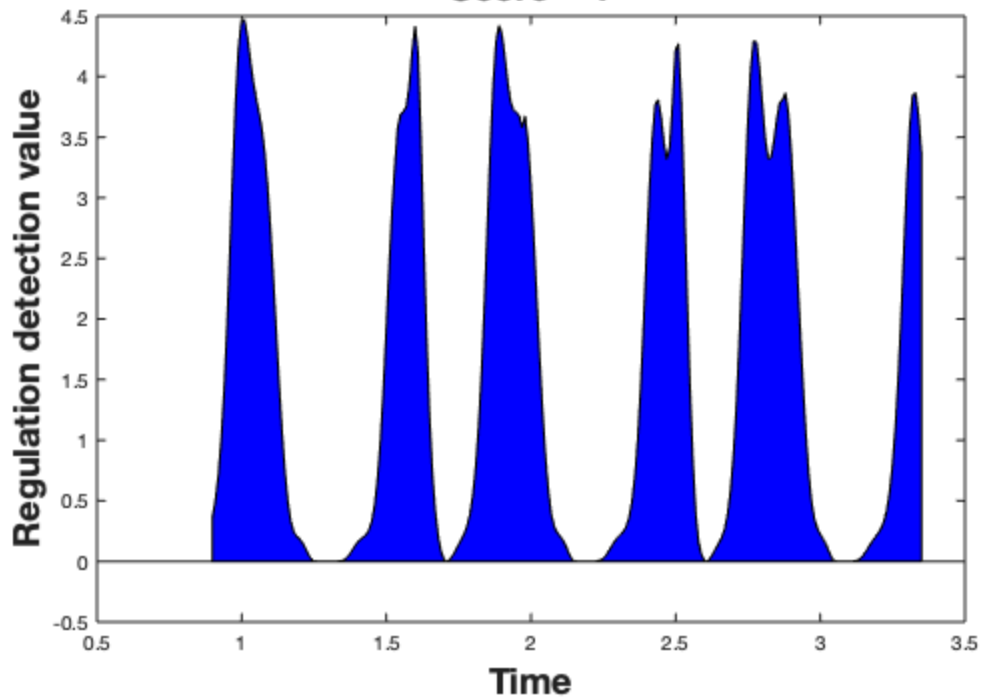
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 2
Score = -0.409



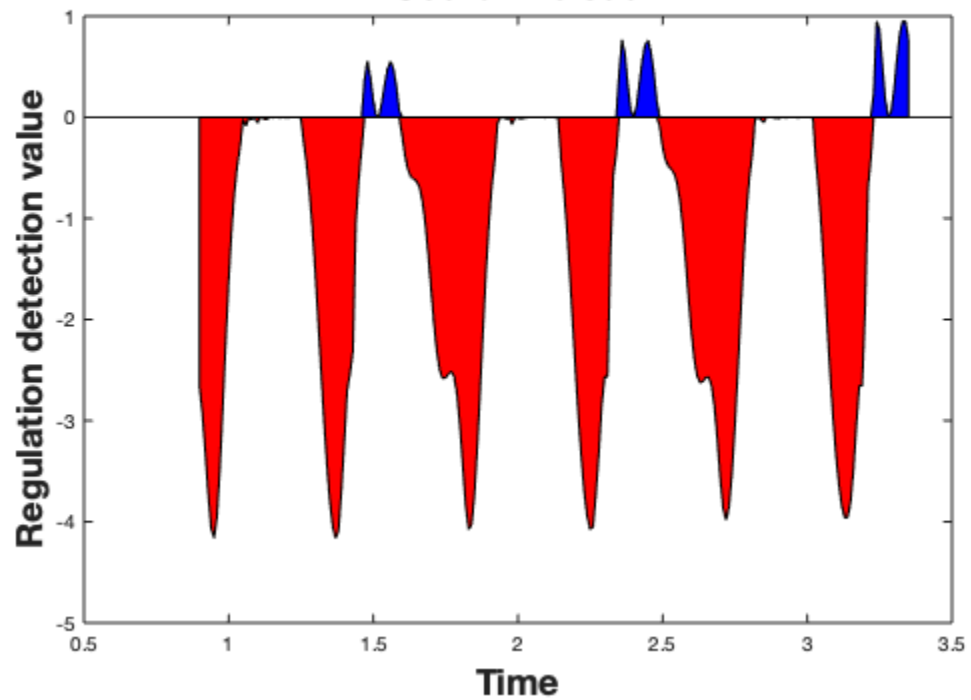
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 4
Score = 0.998



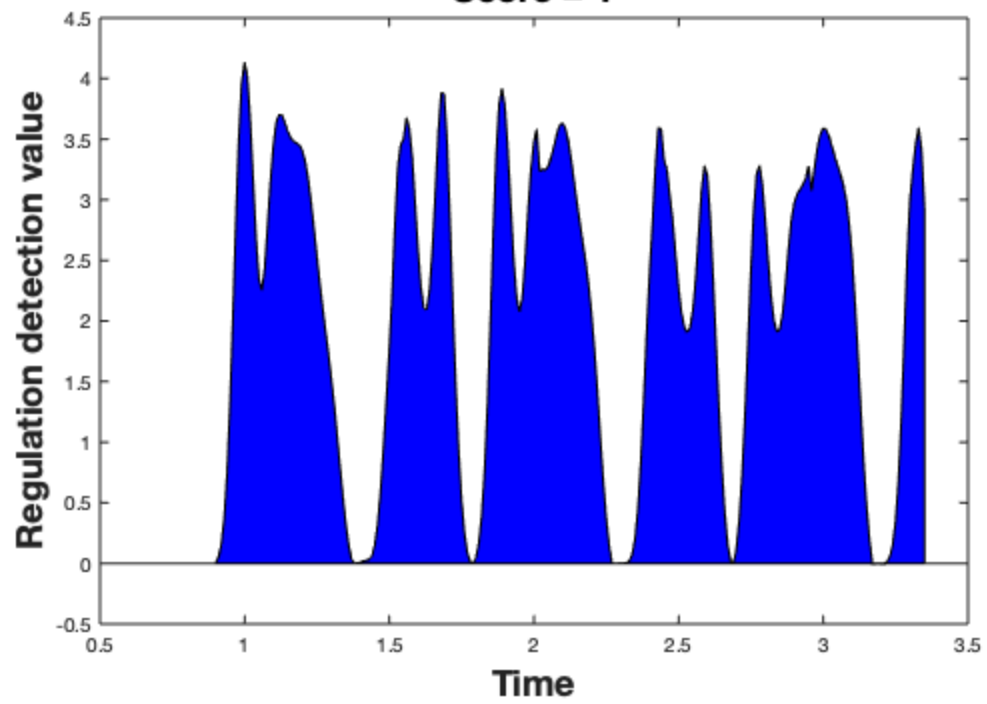
Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 1
Score = 1



Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 3
Score = -0.899



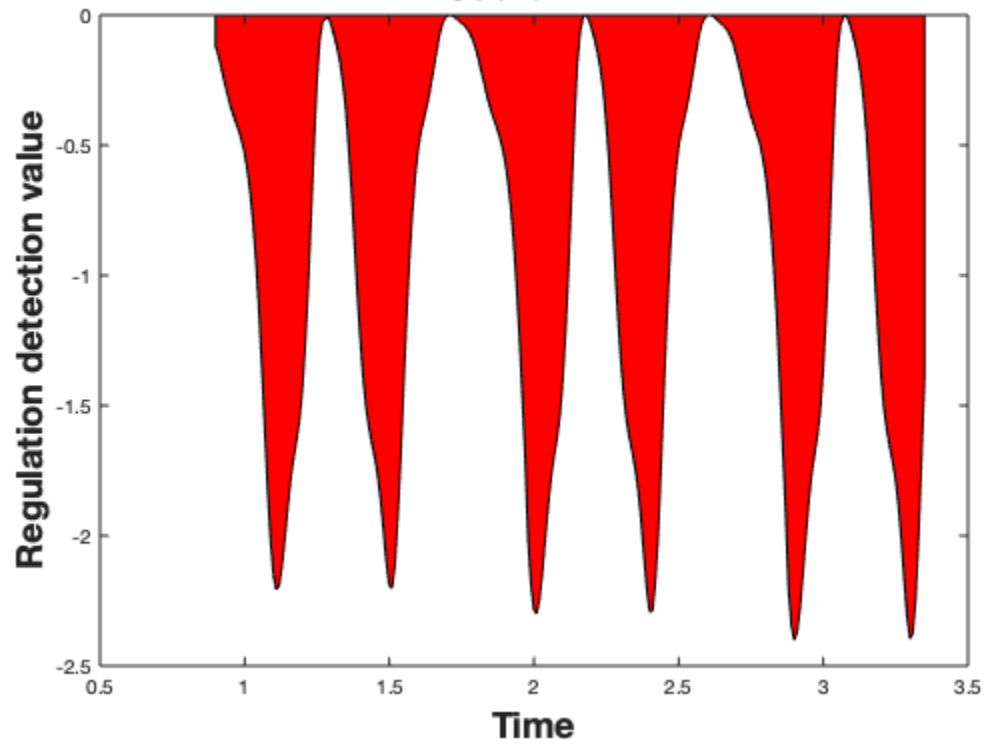
Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 2
Score = 1



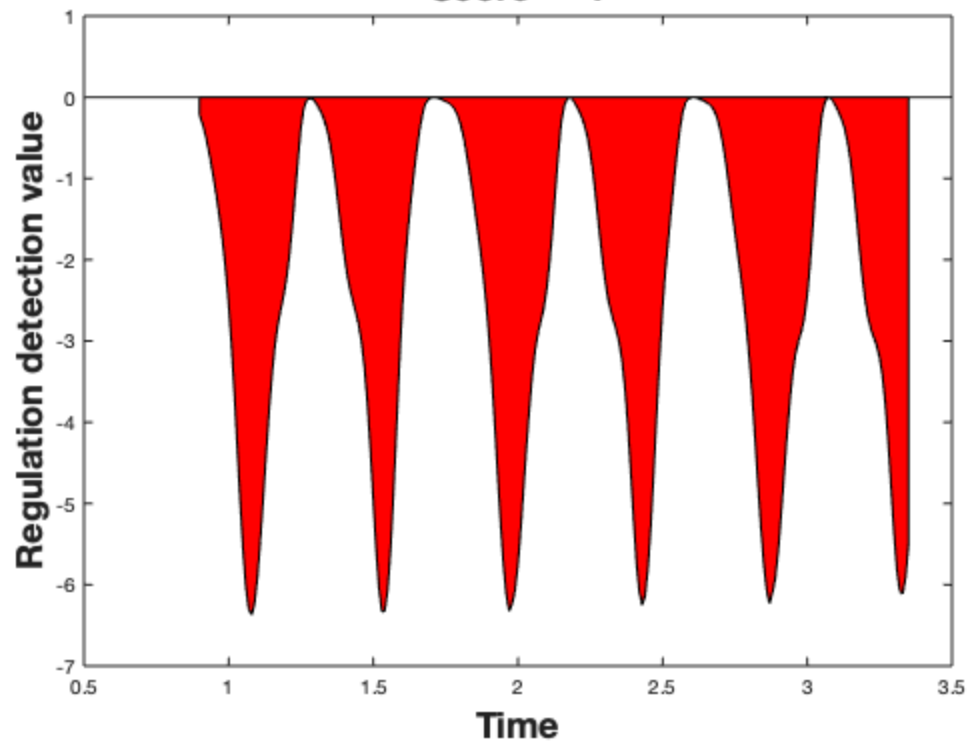
Regulation detection functions

Regulation Detection Function for Variable 2 onto Variable 1

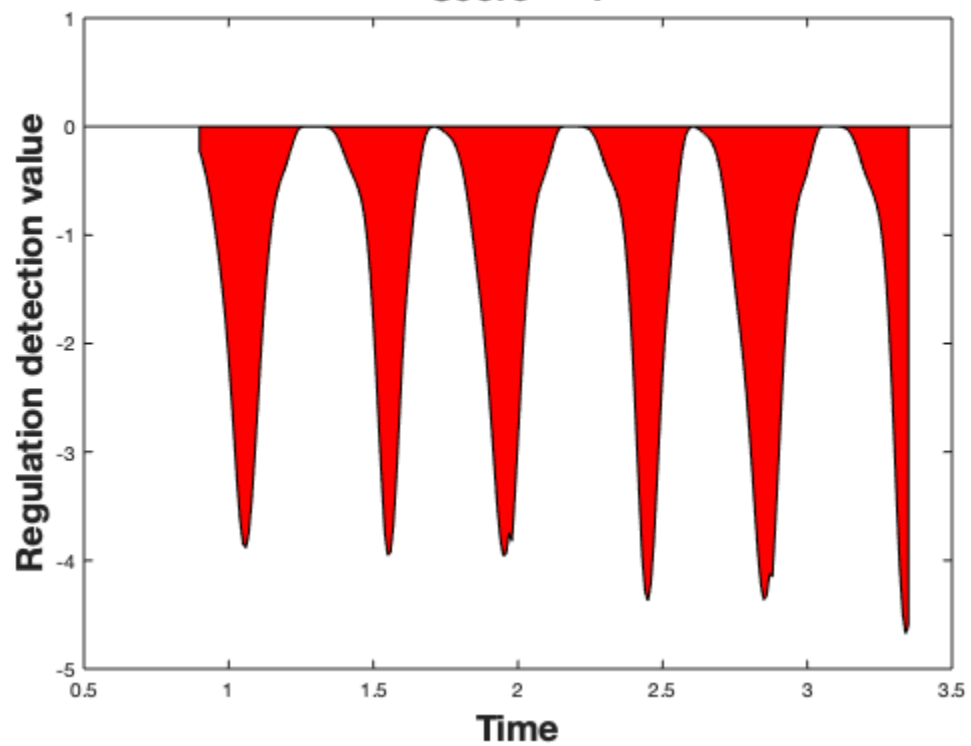
Score = -1



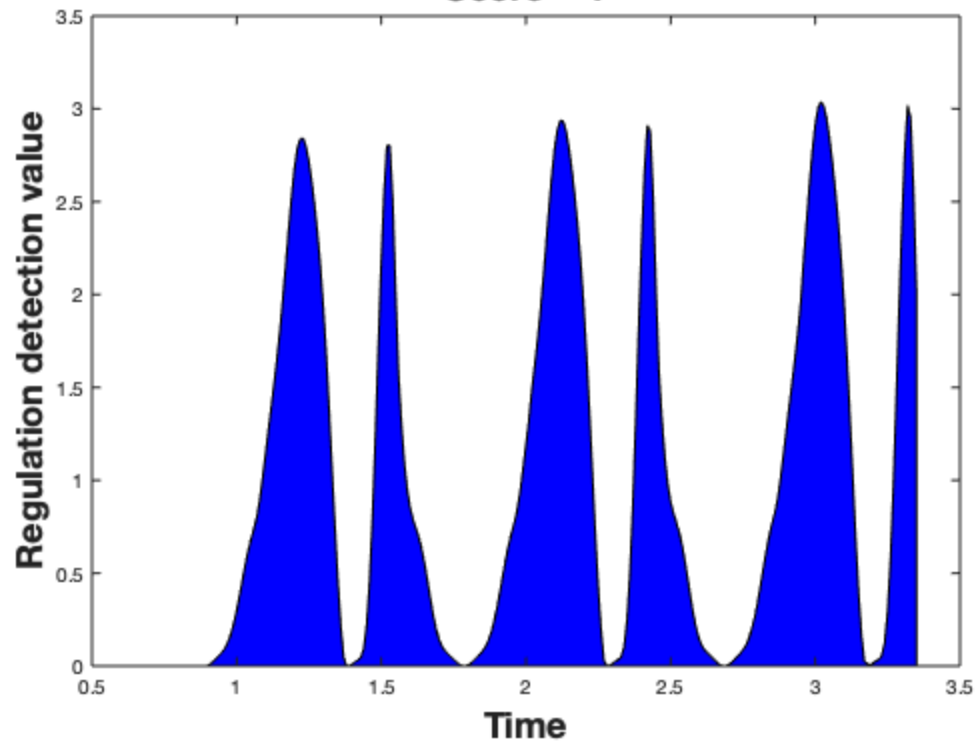
Regulation Detection Function for Variable 3 onto Variable 1
Score = -1



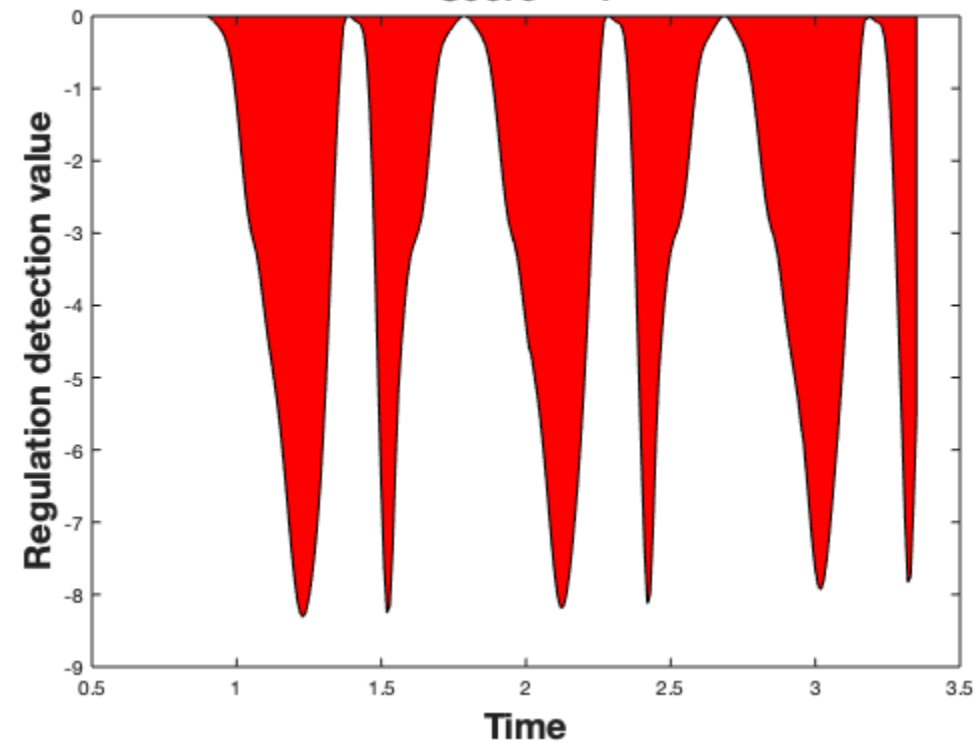
Regulation Detection Function for Variable 4 onto Variable 1
Score = -1



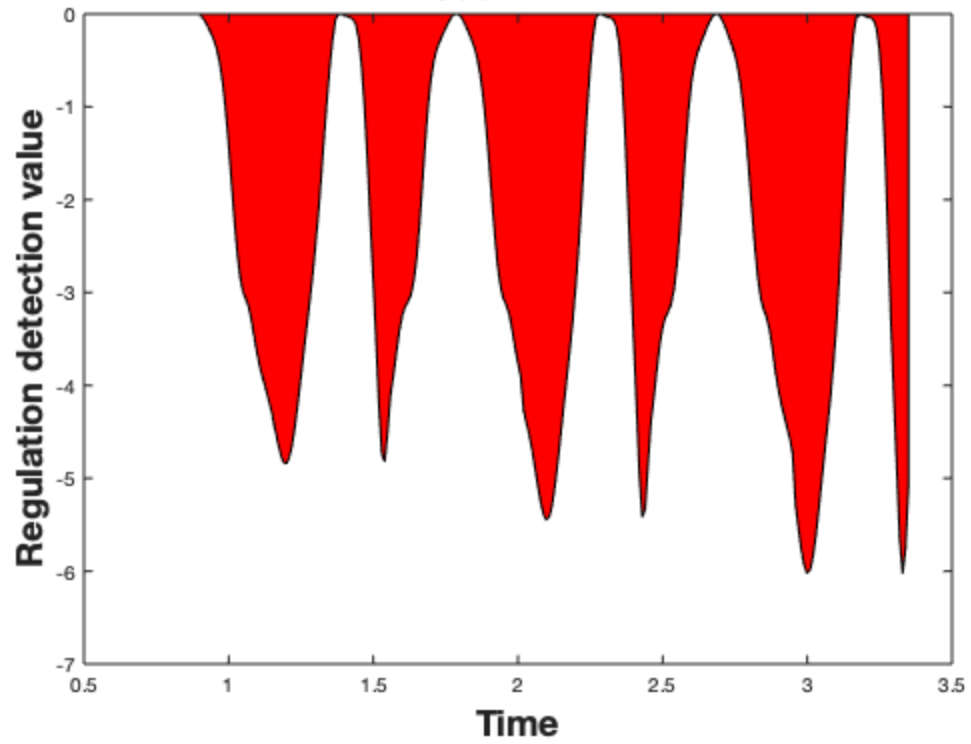
Regulation Detection Function for Variable 1 onto Variable 2
Score = 1



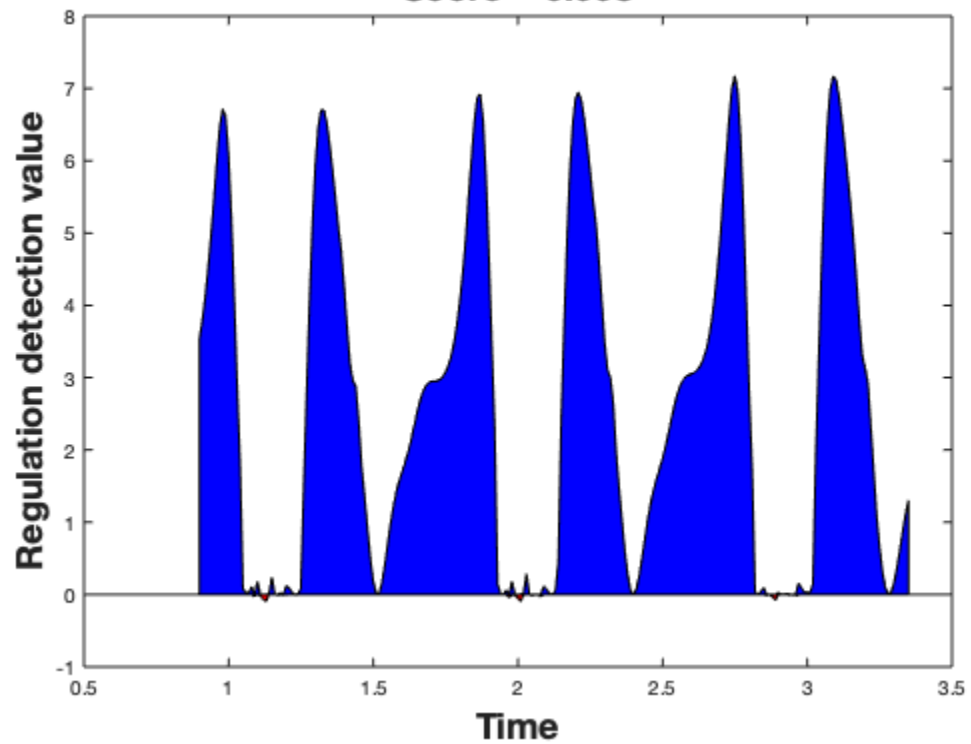
Regulation Detection Function for Variable 3 onto Variable 2
Score = -1



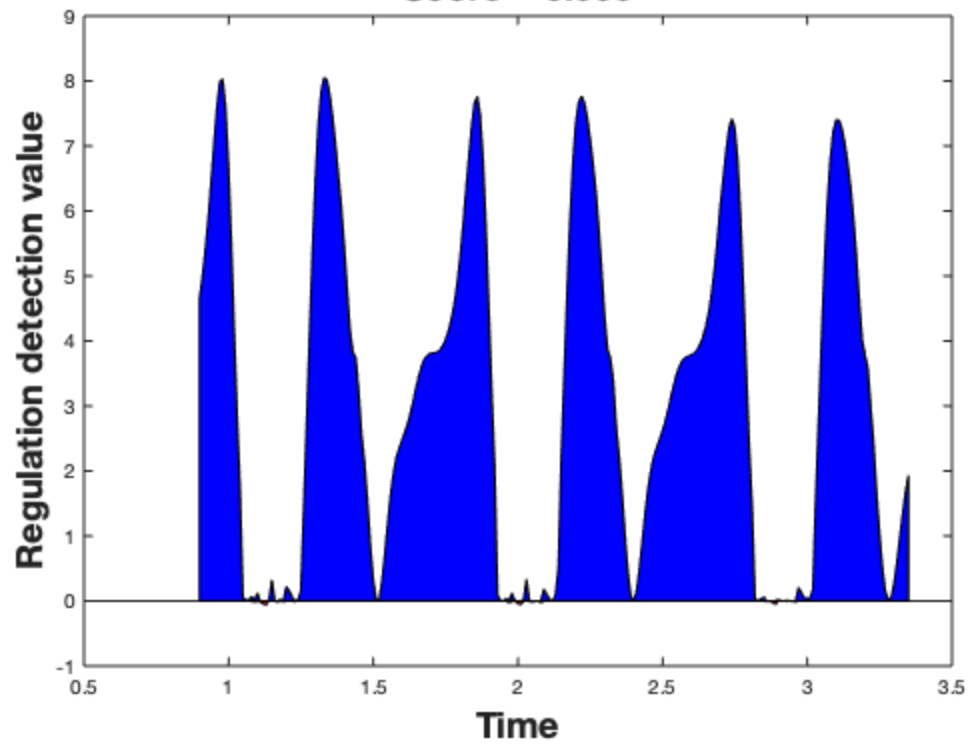
Regulation Detection Function for Variable 4 onto Variable 2
Score = -1



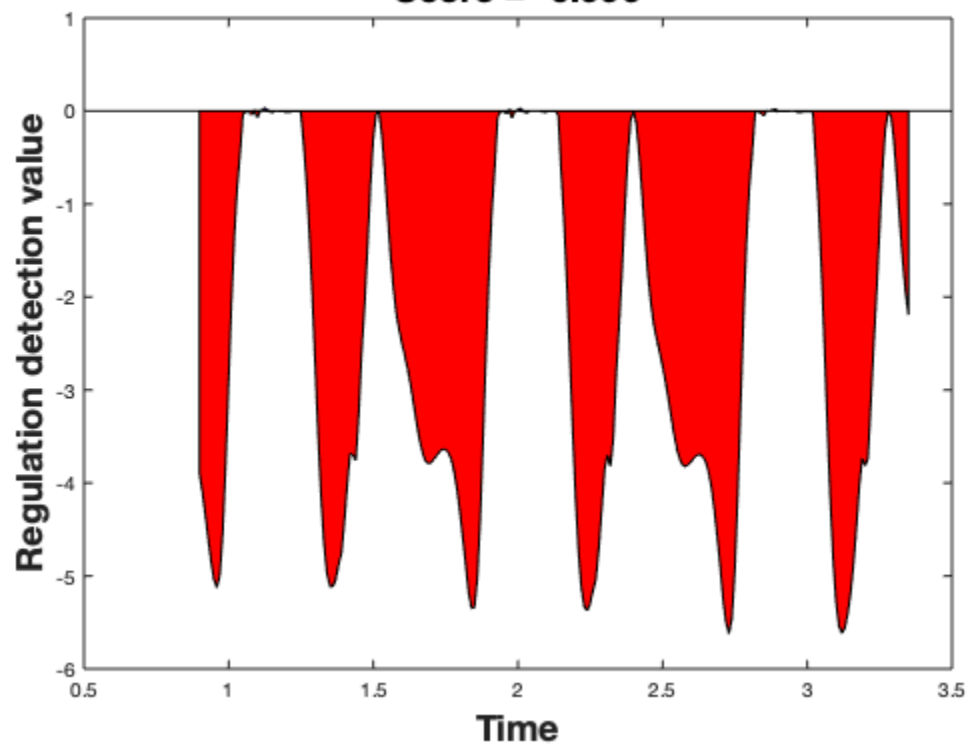
Regulation Detection Function for Variable 1 onto Variable 3
Score = 0.998



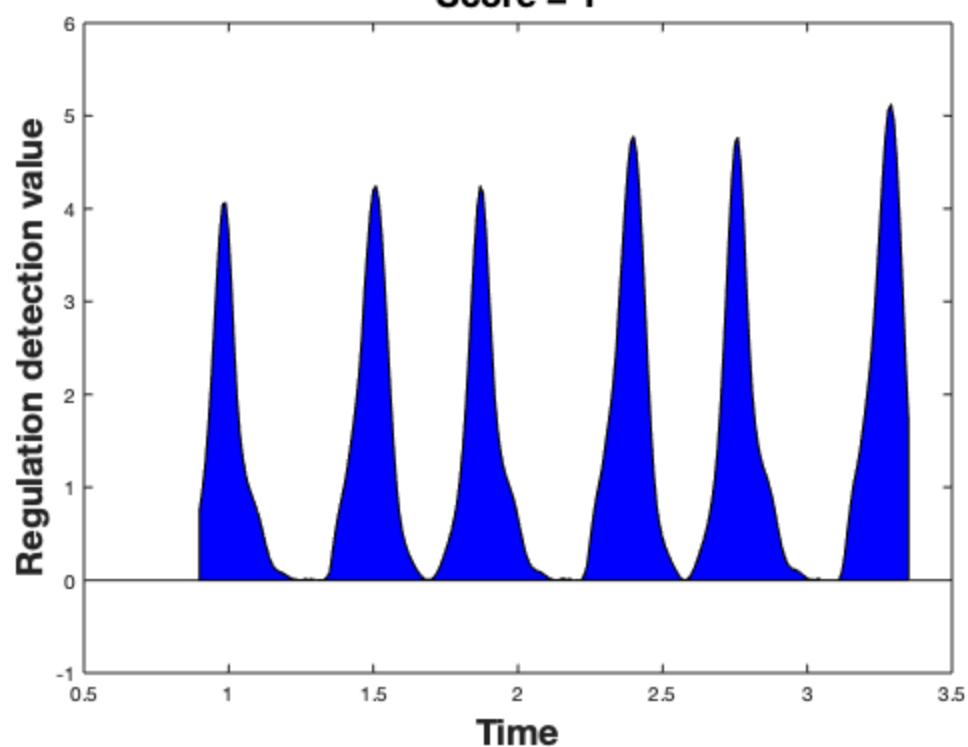
Regulation Detection Function for Variable 2 onto Variable 3
Score = 0.999



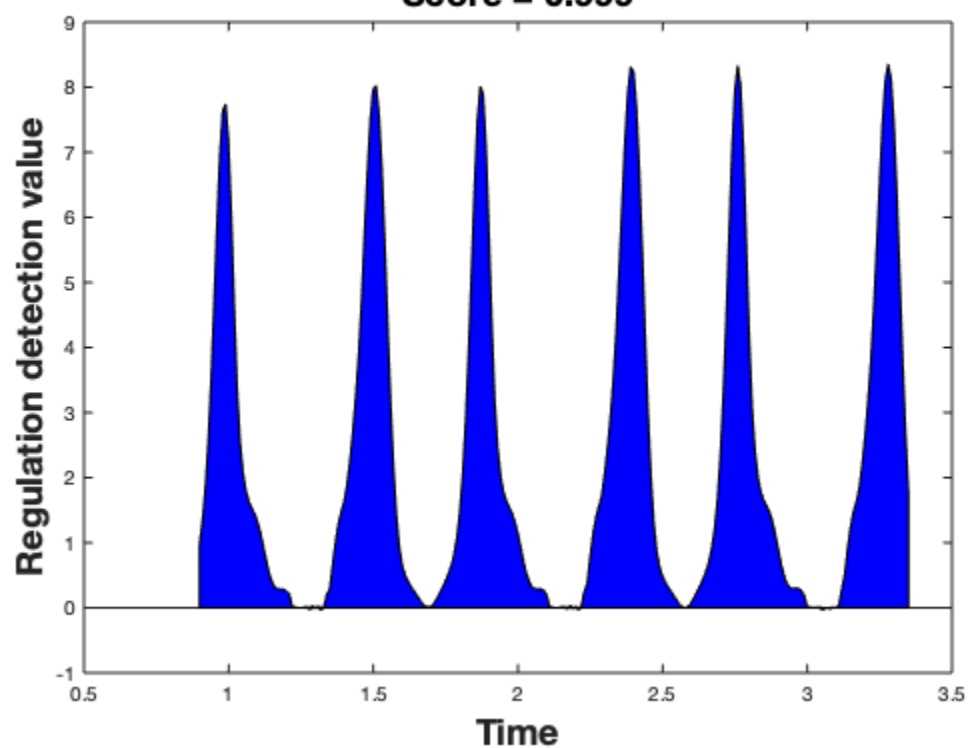
Regulation Detection Function for Variable 4 onto Variable 3
Score = -0.999



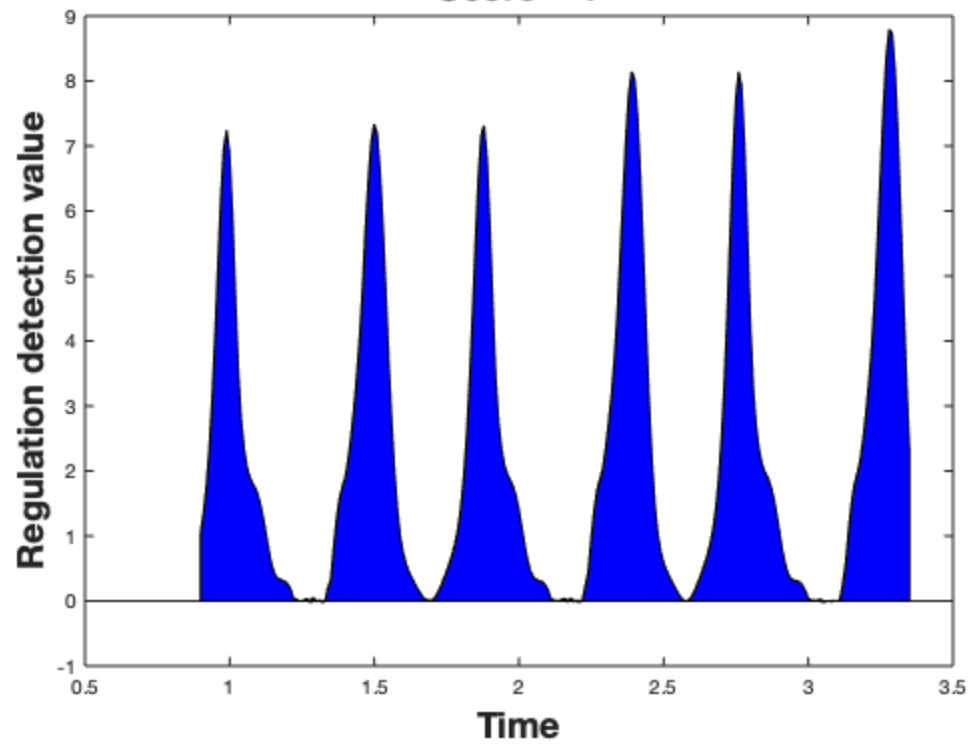
Regulation Detection Function for Variable 1 onto Variable 4
Score = 1



Regulation Detection Function for Variable 3 onto Variable 4
Score = 0.999



Regulation Detection Function for Variable 2 onto Variable 4
Score = 1



Published with MATLAB® R2019b