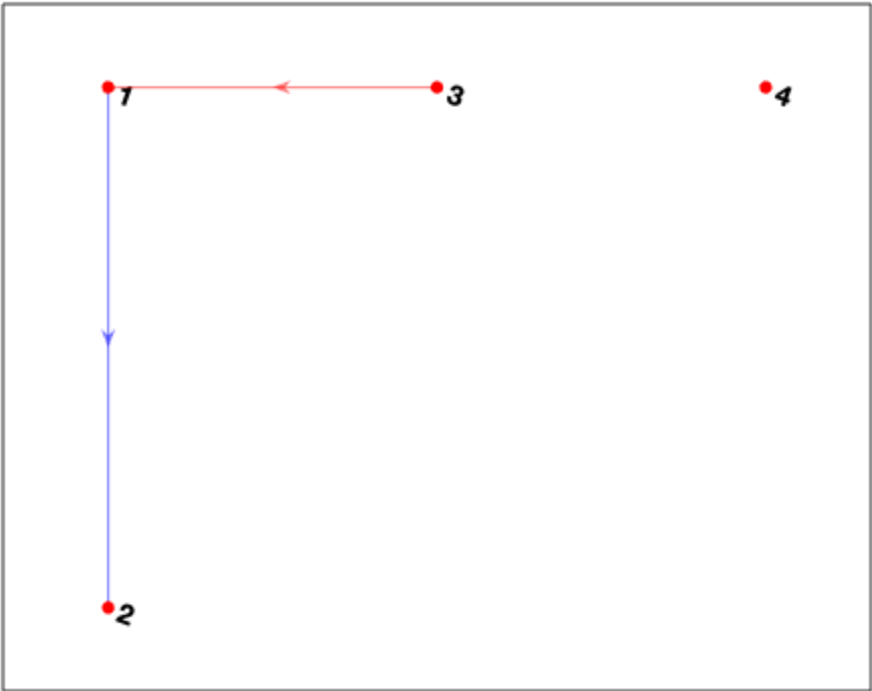

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Inferred Network Graph



Regulation Detection Scores for Self-Regulation

Columns 1 through 3

0	1.0000000000000000	-0.920153641378521
-0.994468928361520	0	-0.489915955685279
0.577712256748242	-0.096974977572577	0
0.995676532007443	0.861514979463501	-0.226331266560389

Column 4

-0.922582496371002
-0.719885446022116
0.655239772230122
0

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

Columns 1 through 3

0	-0.781689677824100	-0.944150239228138
0.907462995332976	0	-0.989162142933636
0.873505920927479	0.931222439614847	0
0.801984601240147	0.916251689852151	0.884115112263225

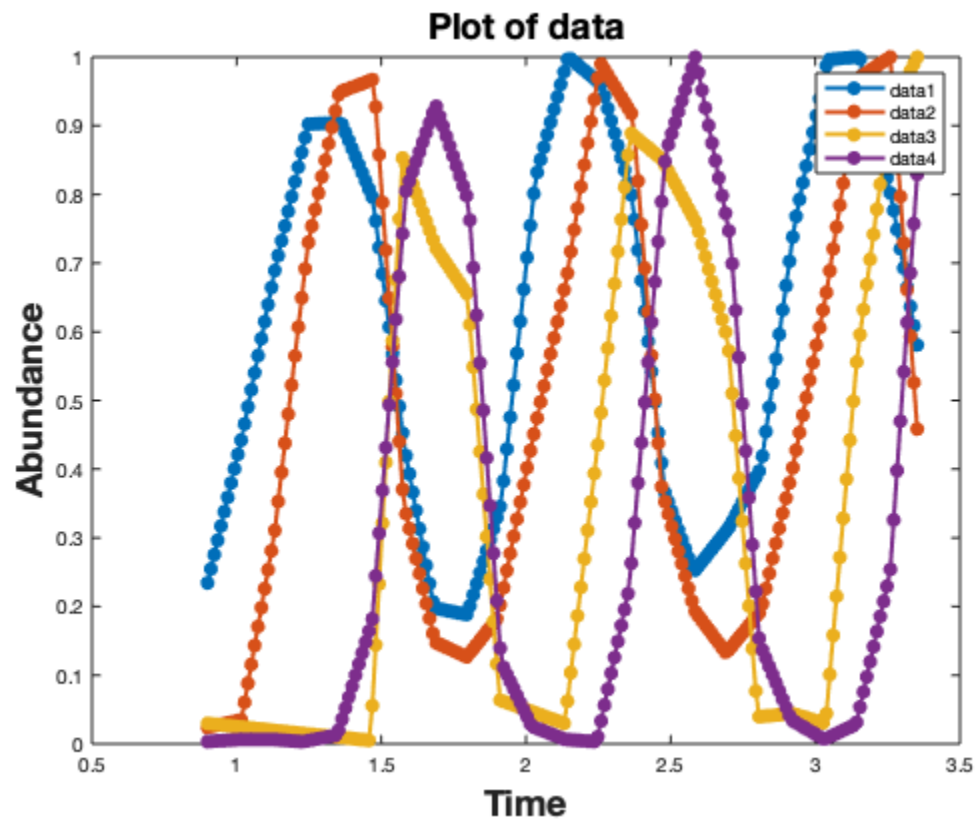
Column 4

-0.409767320106384
-0.966327811820108
-0.730074721292125
0

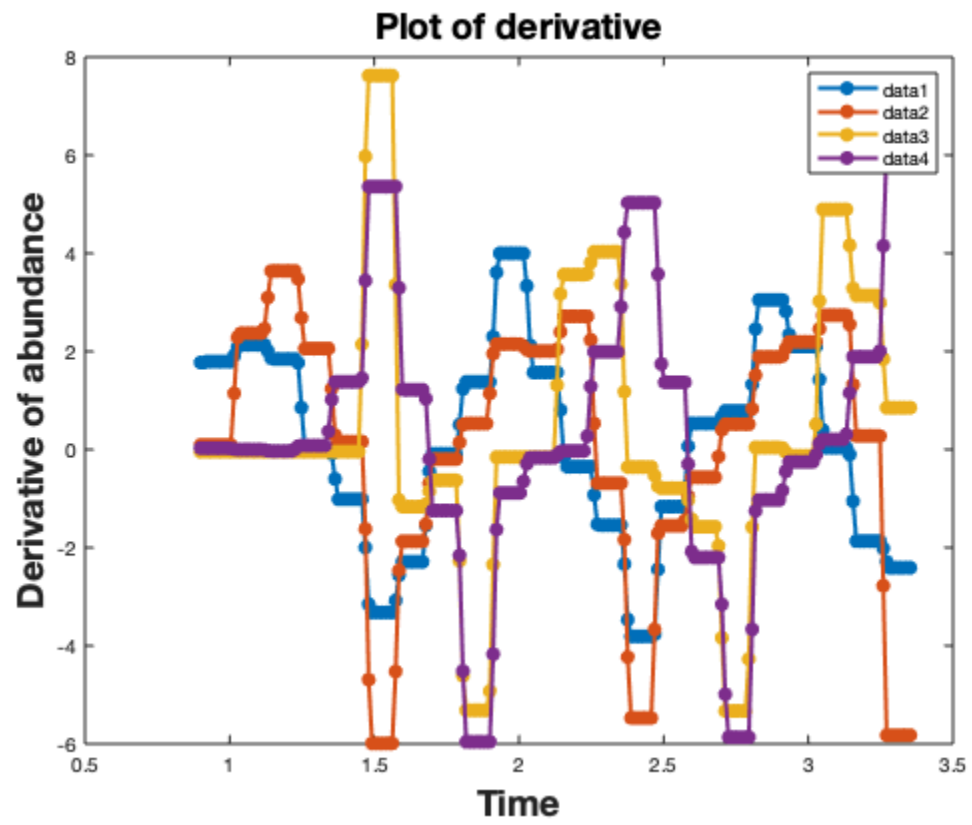
Inferred Interactions

Variable 3 negatively regulates Variable 1
Variable 1 positively regulates Variable 2

Data figure

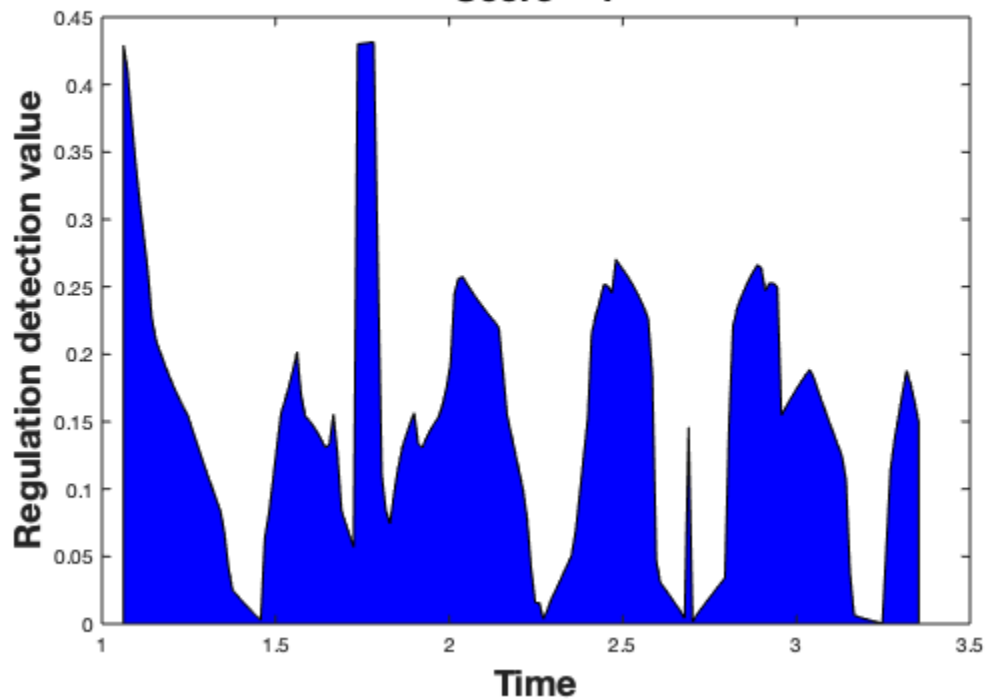


Derivative Figure

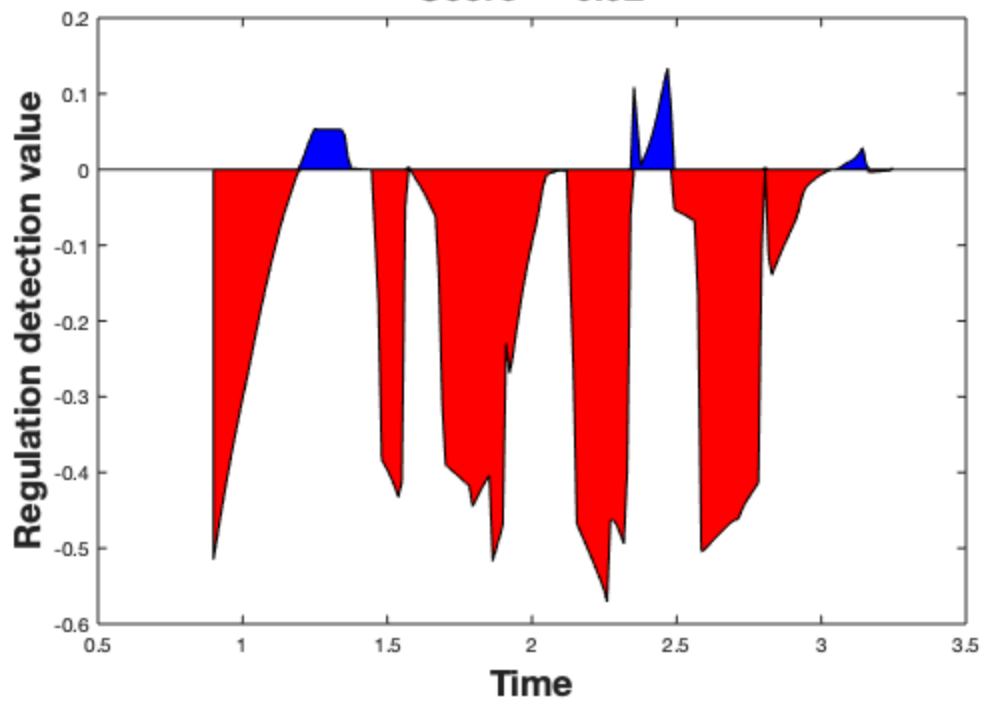


Regulation detection functions for self-regulations

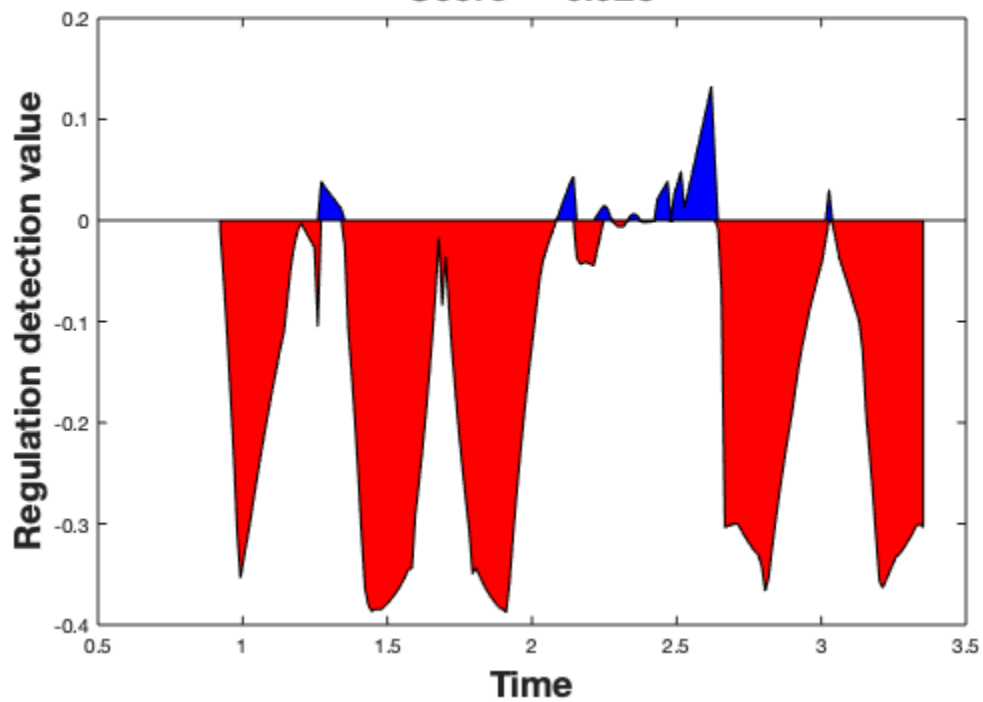
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 2
Score = 1



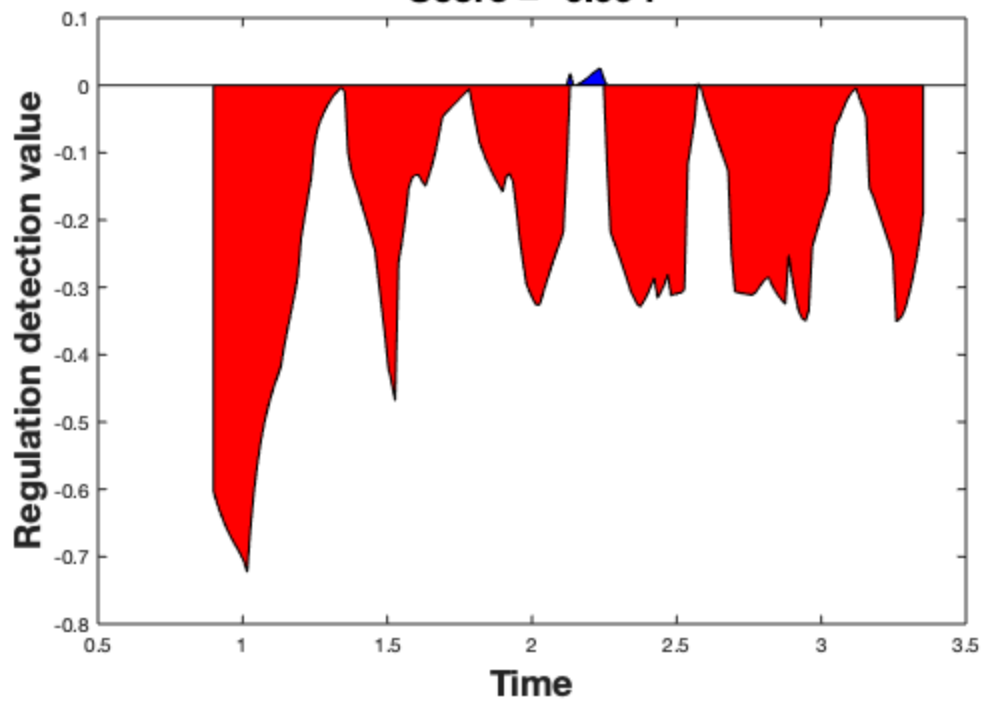
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 3
Score = -0.92



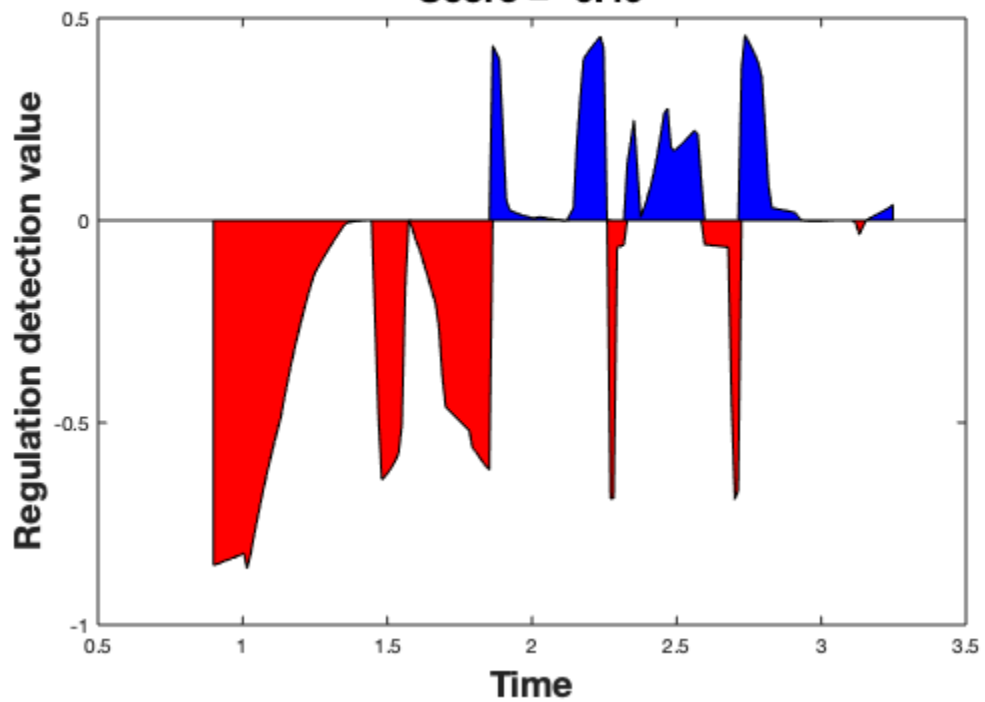
Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 4
Score = -0.923



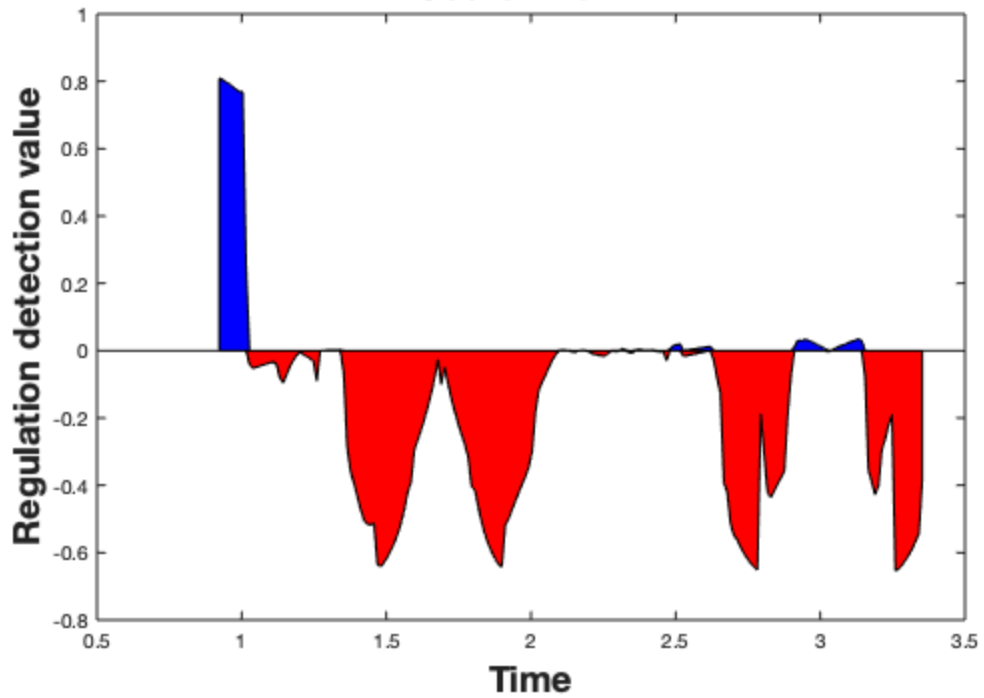
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 1
Score = -0.994



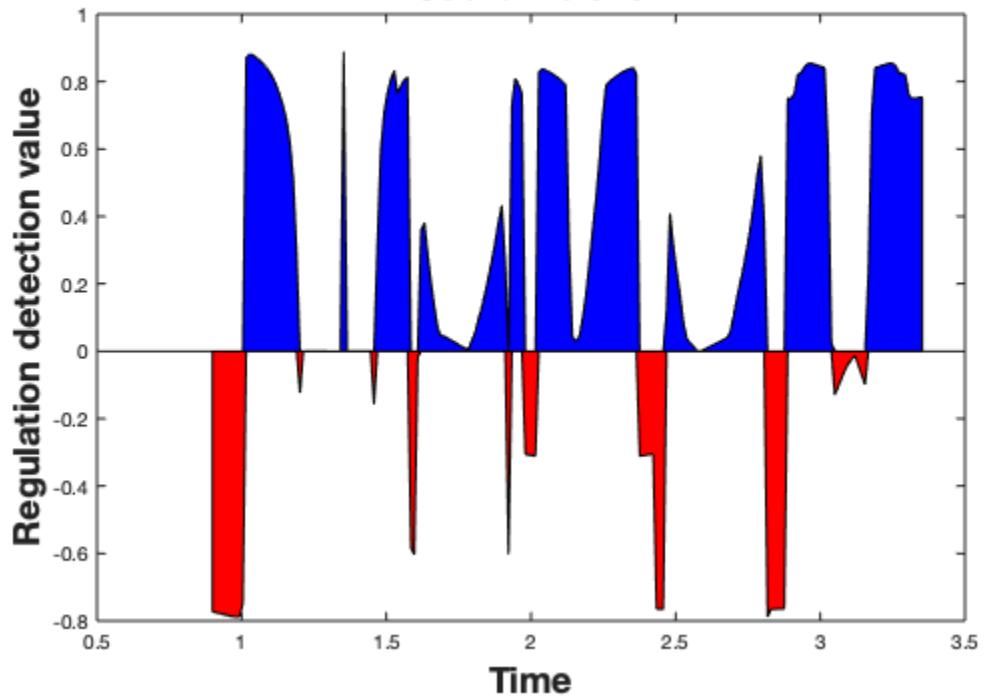
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 3
Score = -0.49



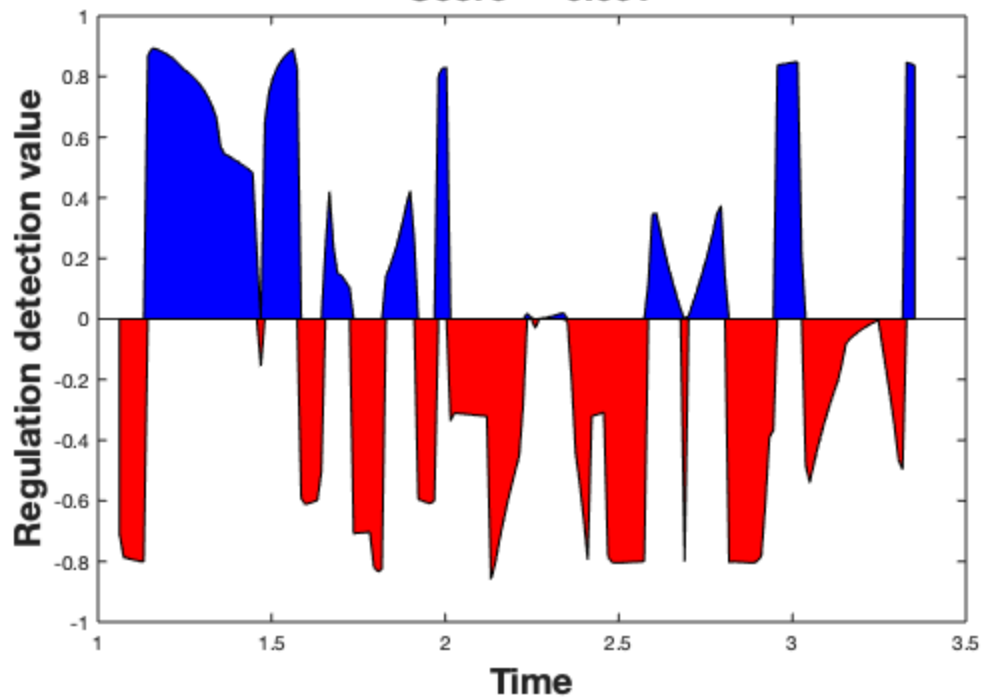
Regulation Detection Function for Variable 2 onto Variable 2
Fixing Variable 4
Score = -0.72



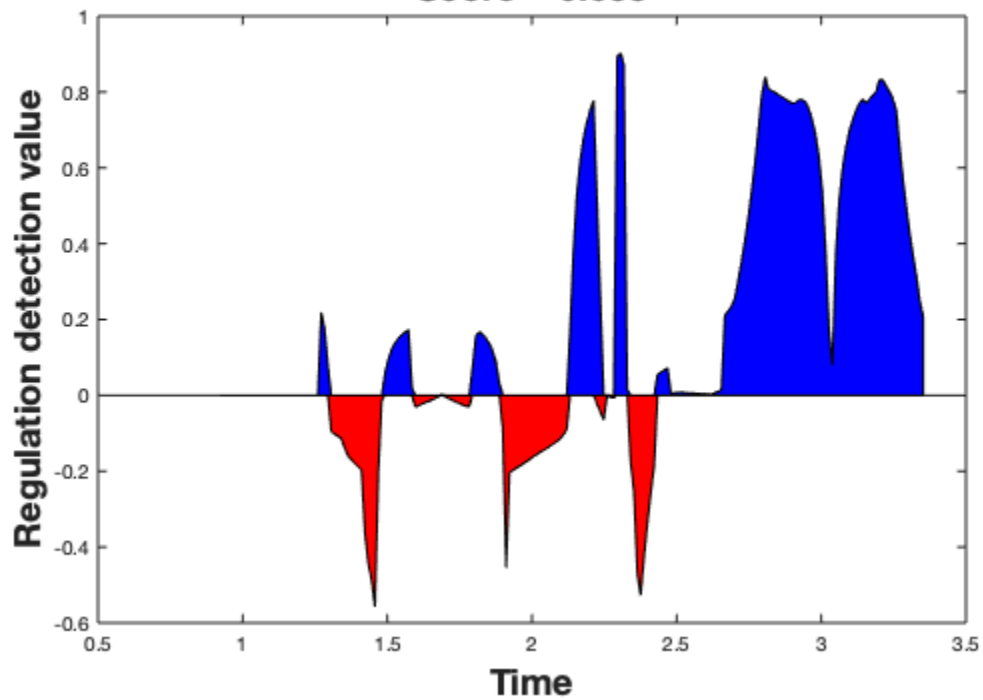
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 1
Score = 0.578



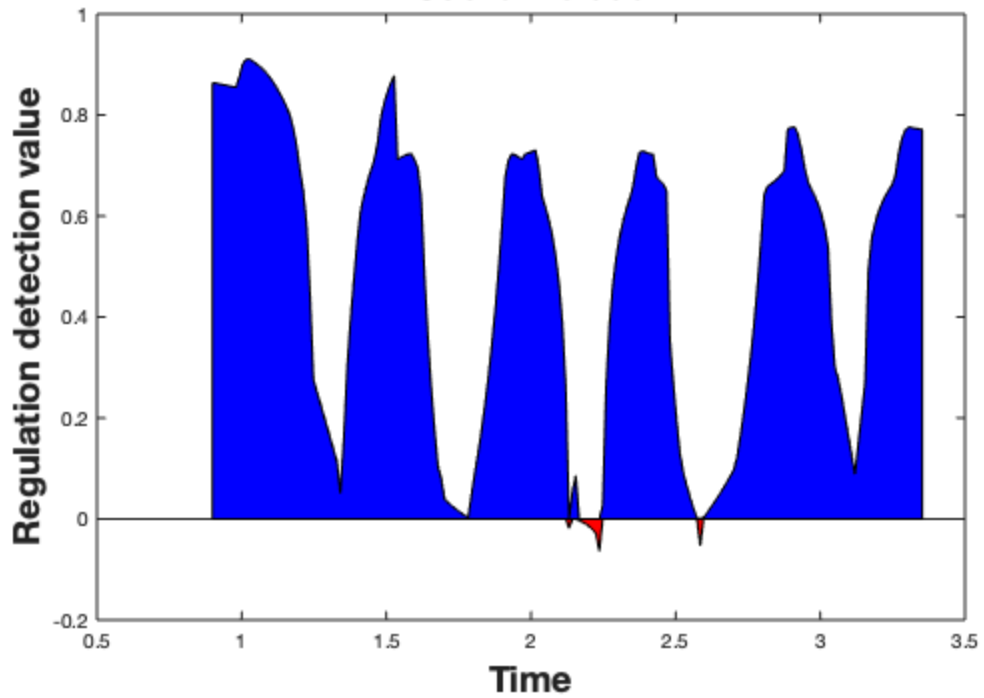
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 2
Score = -0.097



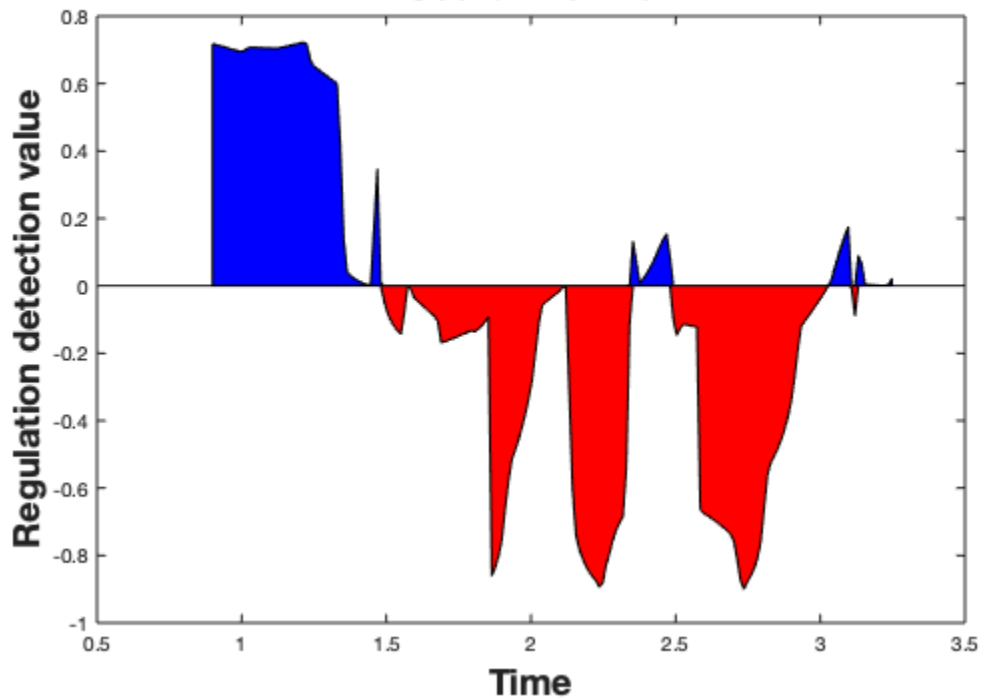
Regulation Detection Function for Variable 3 onto Variable 3
Fixing Variable 4
Score = 0.655



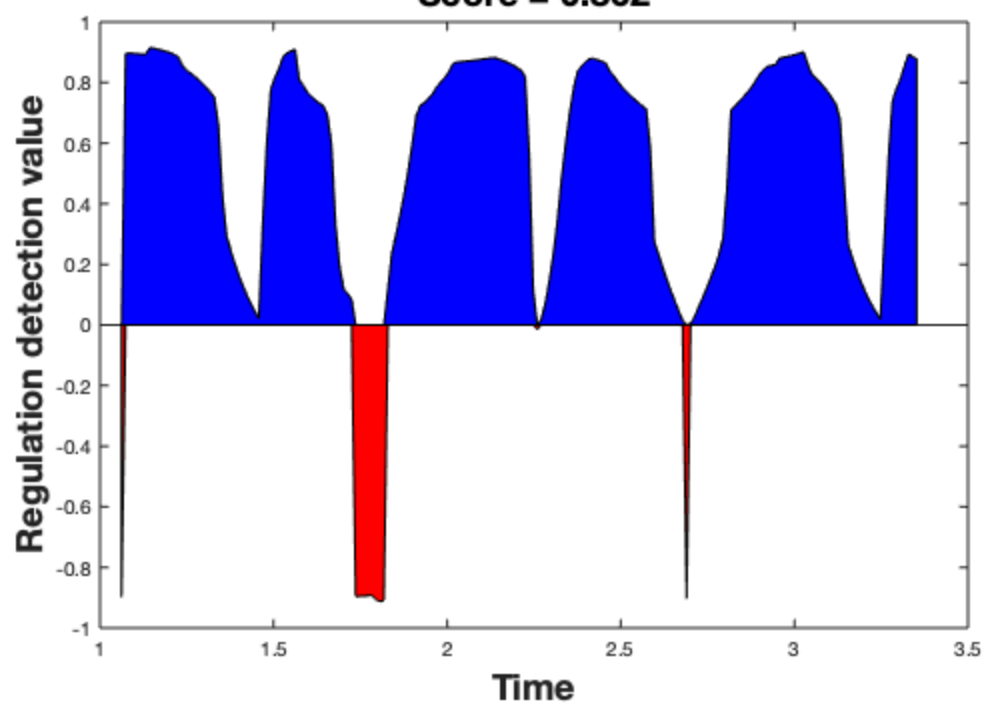
Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 1
Score = 0.996



Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 3
Score = -0.226

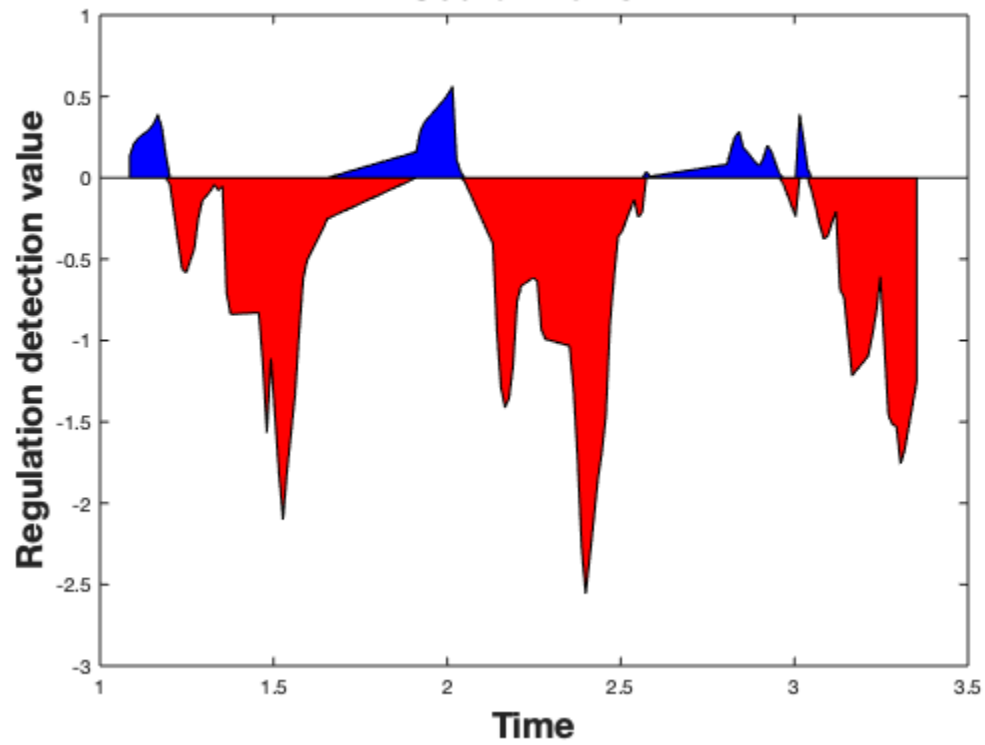


Regulation Detection Function for Variable 4 onto Variable 4
Fixing Variable 2
Score = 0.862

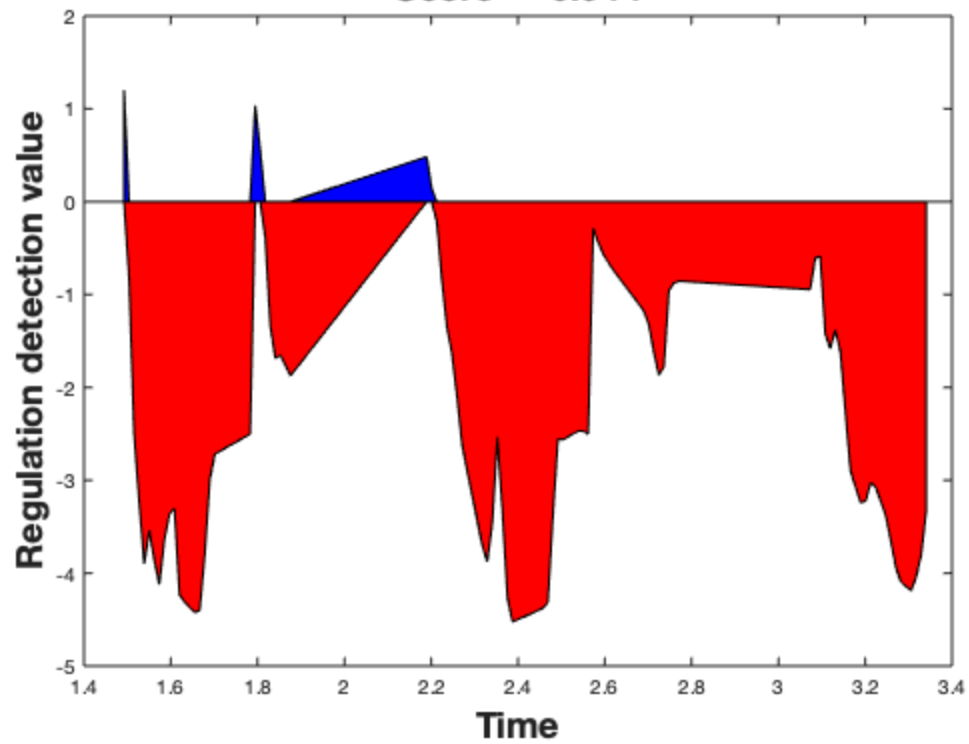


Regulation detection functions

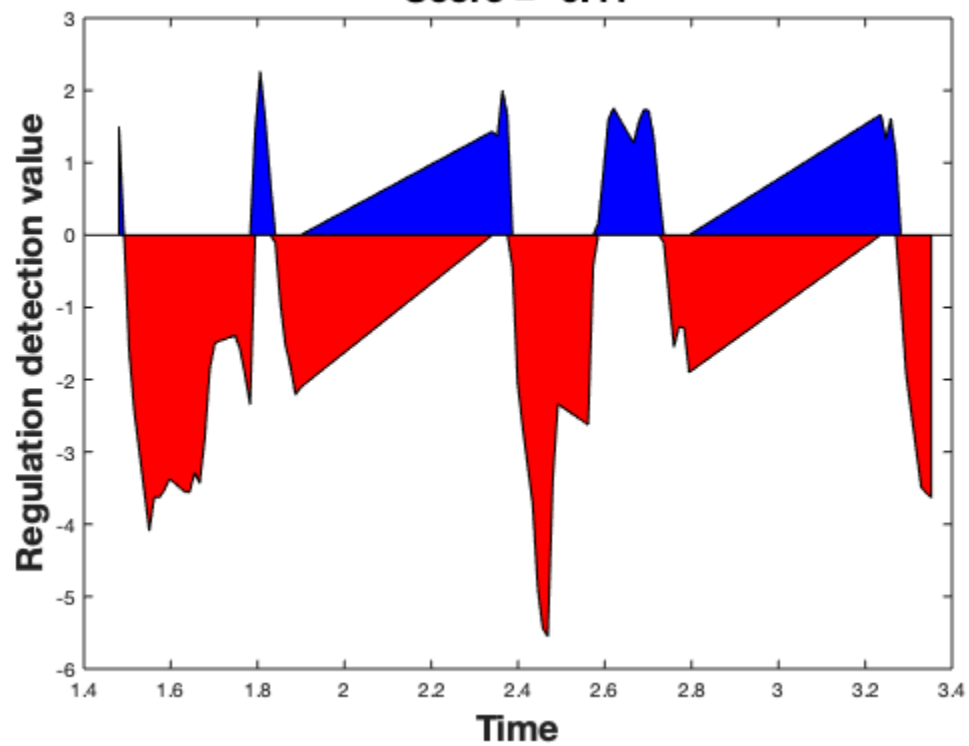
Regulation Detection Function for Variable 2 onto Variable 1
Score = -0.782



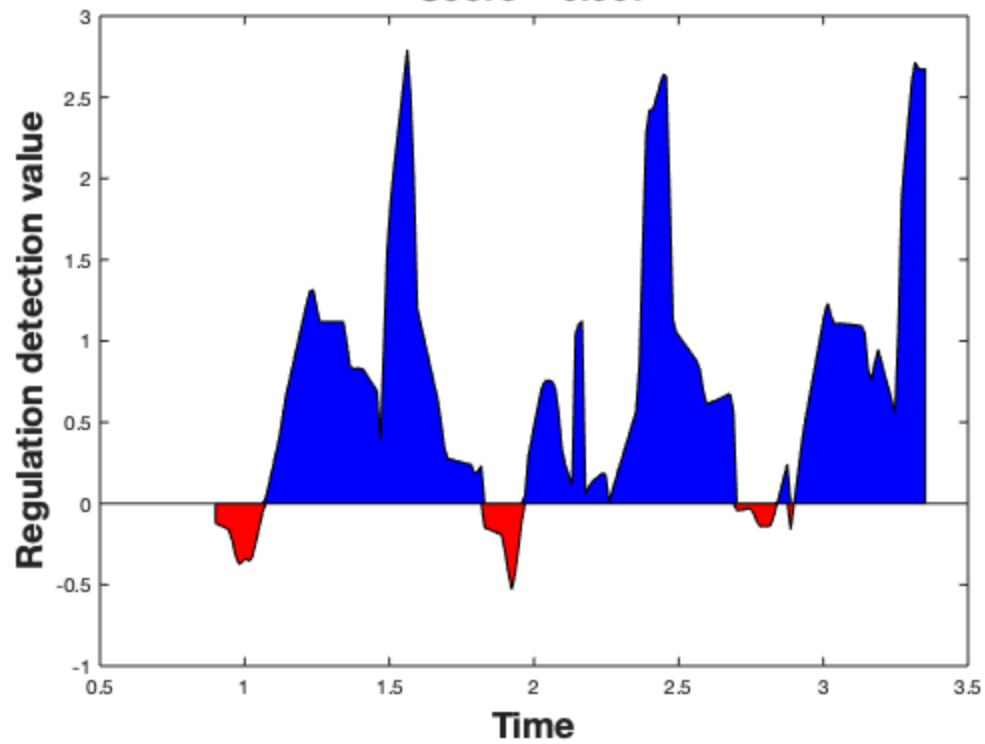
Regulation Detection Function for Variable 3 onto Variable 1
Score = -0.944



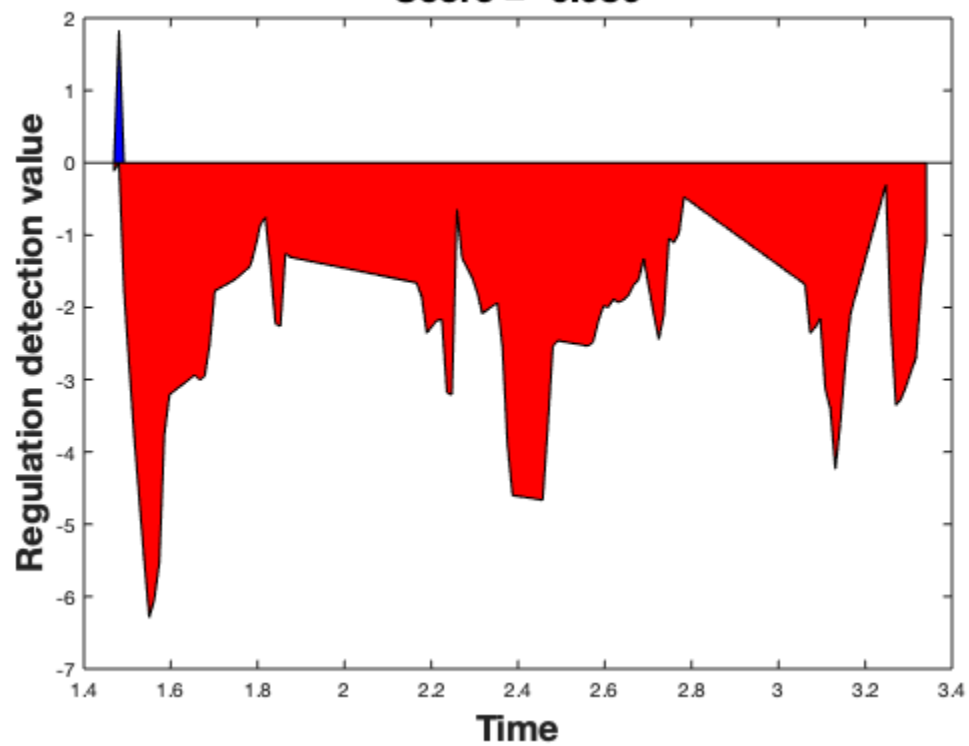
Regulation Detection Function for Variable 4 onto Variable 1
Score = -0.41



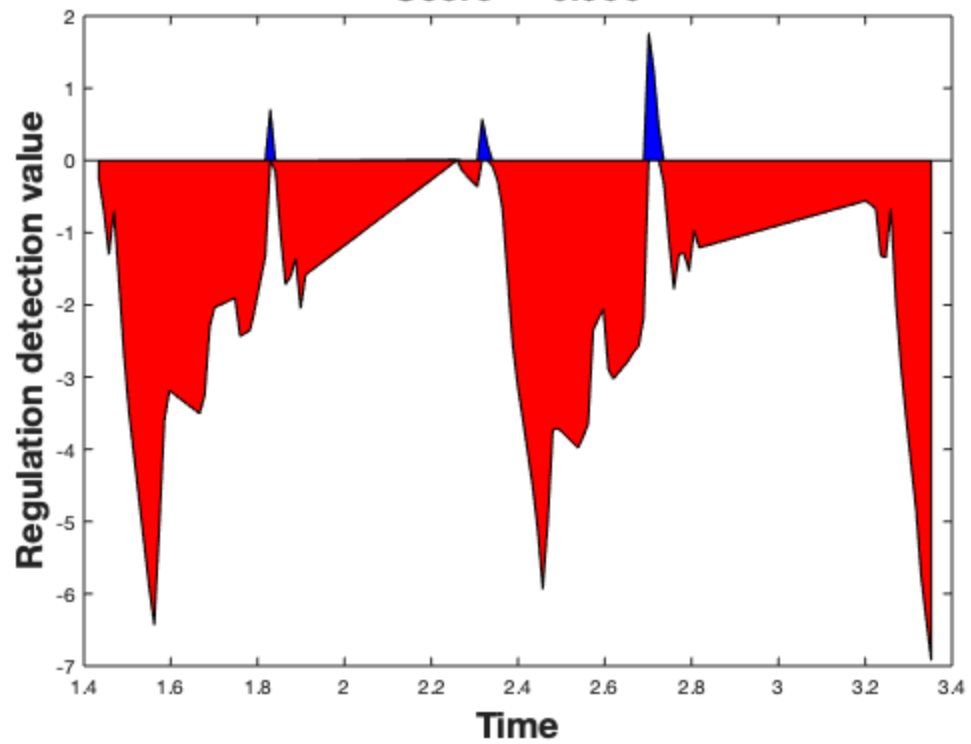
Regulation Detection Function for Variable 1 onto Variable 2
Score = 0.907



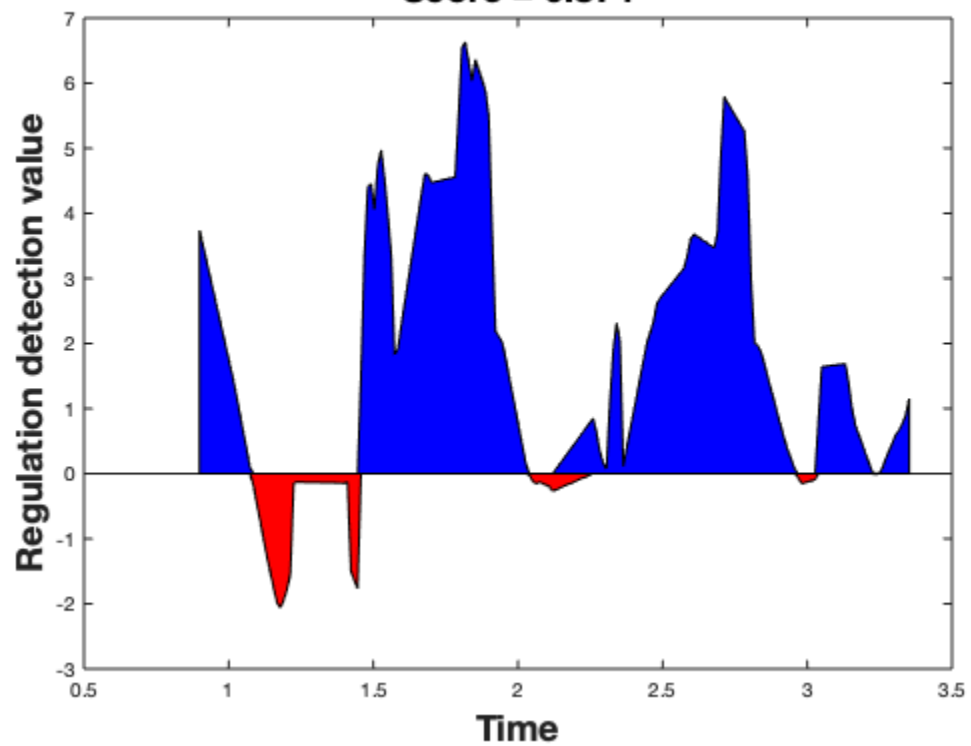
Regulation Detection Function for Variable 3 onto Variable 2
Score = -0.989



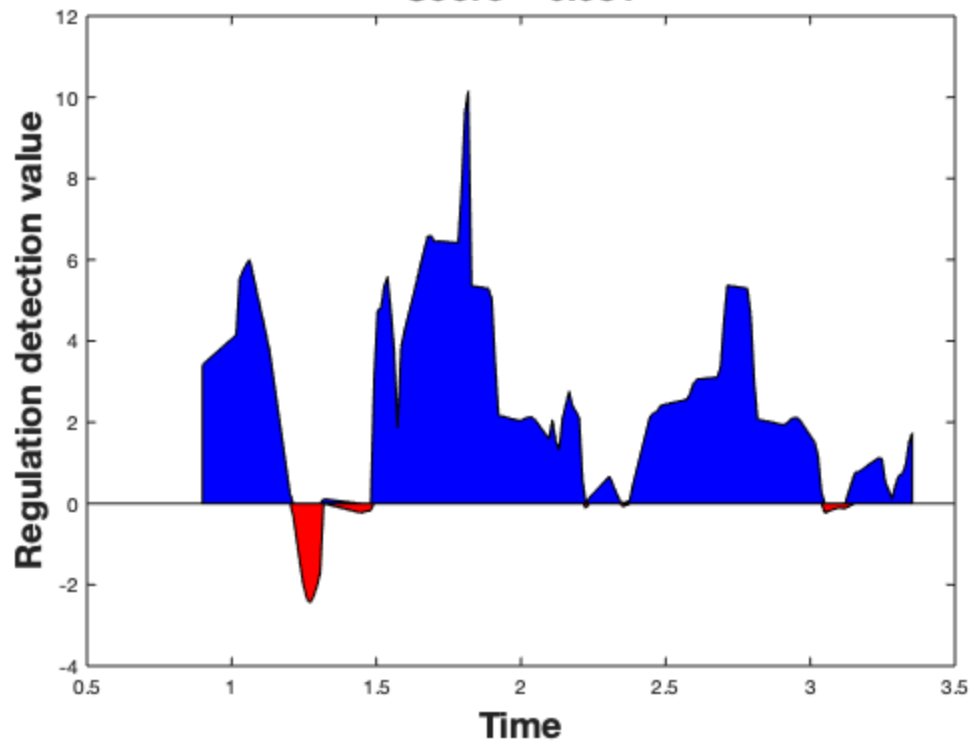
Regulation Detection Function for Variable 4 onto Variable 2
Score = -0.966



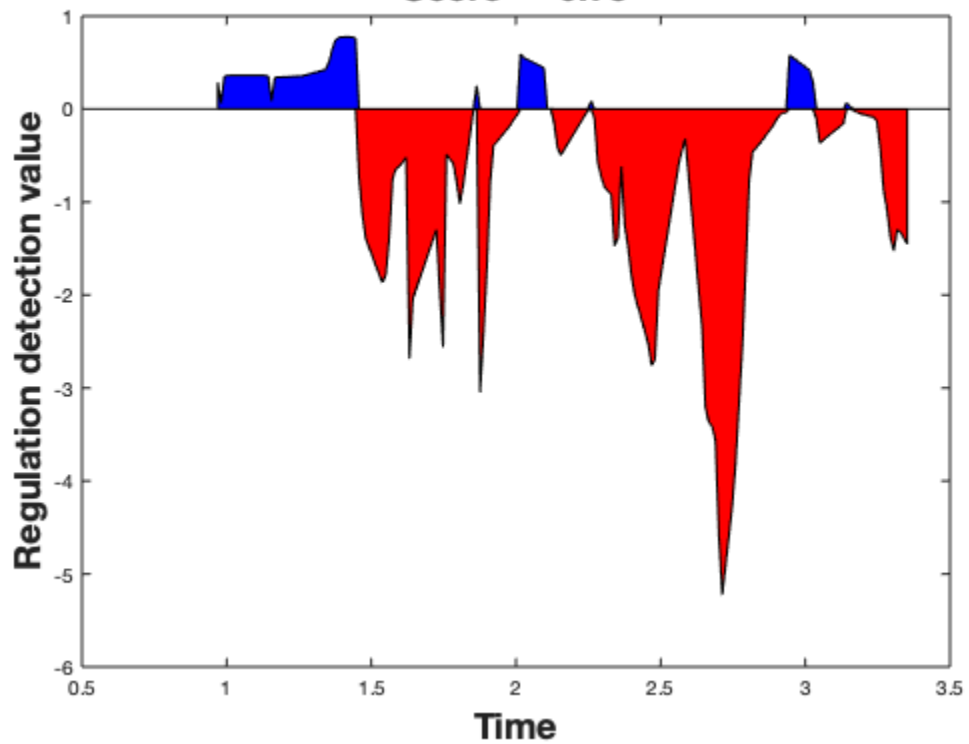
Regulation Detection Function for Variable 1 onto Variable 3
Score = 0.874



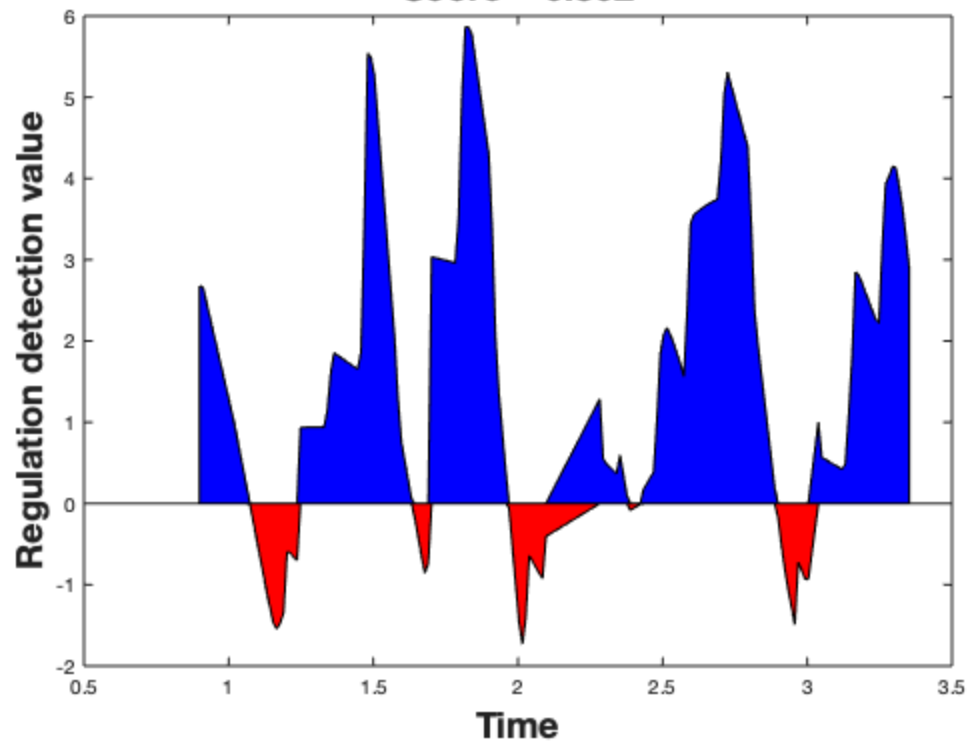
Regulation Detection Function for Variable 2 onto Variable 3
Score = 0.931



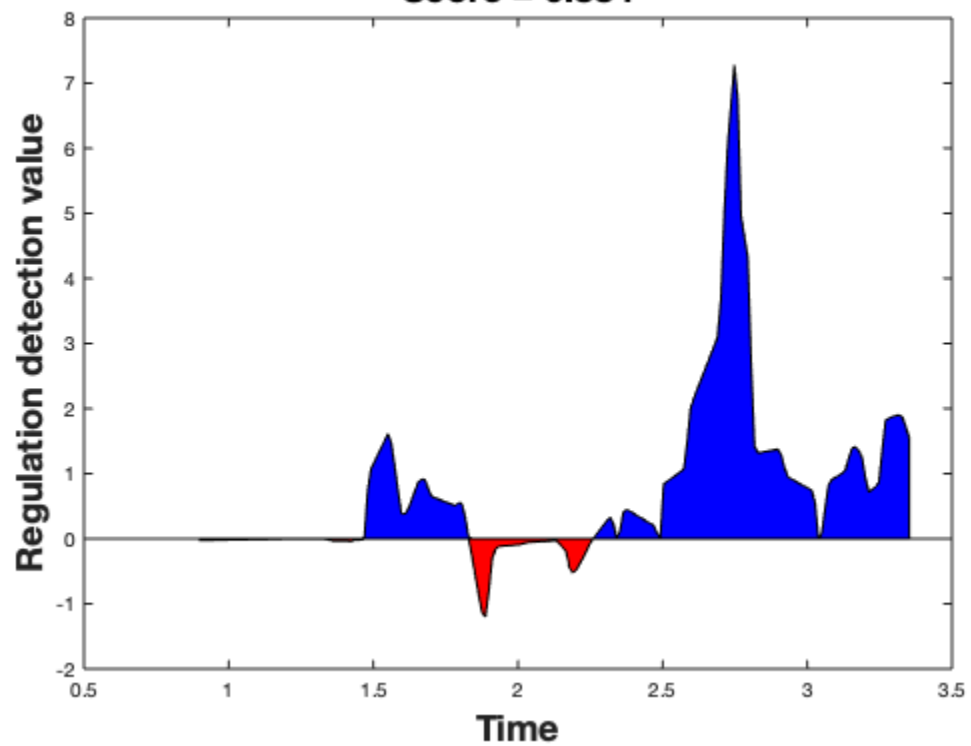
Regulation Detection Function for Variable 4 onto Variable 3
Score = -0.73



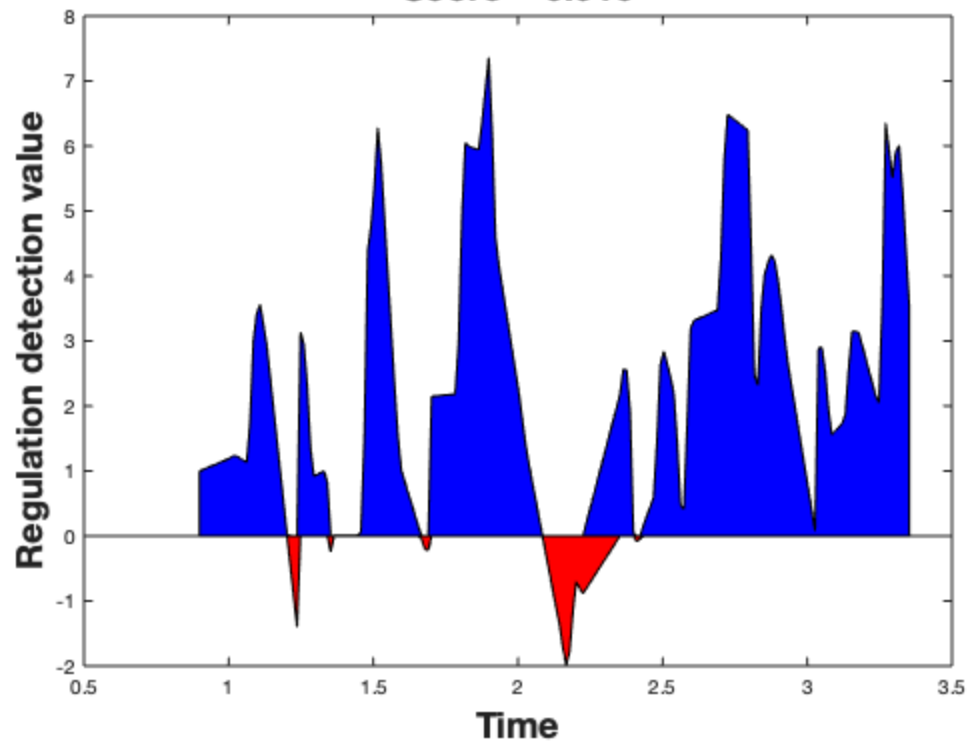
Regulation Detection Function for Variable 1 onto Variable 4
Score = 0.802



Regulation Detection Function for Variable 3 onto Variable 4
Score = 0.884



Regulation Detection Function for Variable 2 onto Variable 4
Score = 0.916



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