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Inferred Network Graph

Regulation Detection Scores for Self-Regulation

$$0 \qquad -0.970379553871199$$
$$-0.125352717017729$$
$$0.7749069707352 \qquad 0$$
$$-0.724335614356246$$

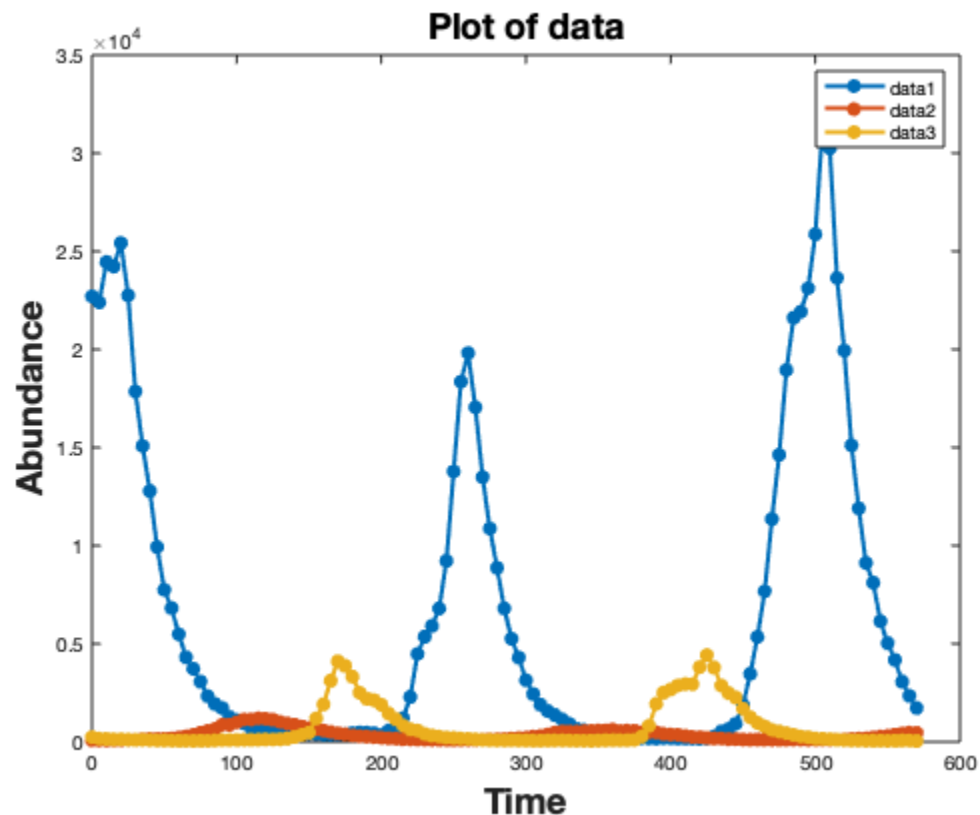$$-0.970811421466375 \qquad -0.071667060813166$$
$$0$$

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

$$0 \qquad -0.763433310386143$$
$$0.0358271423779003$$
$$1 \qquad 0$$
$$-0.9925253058438$$
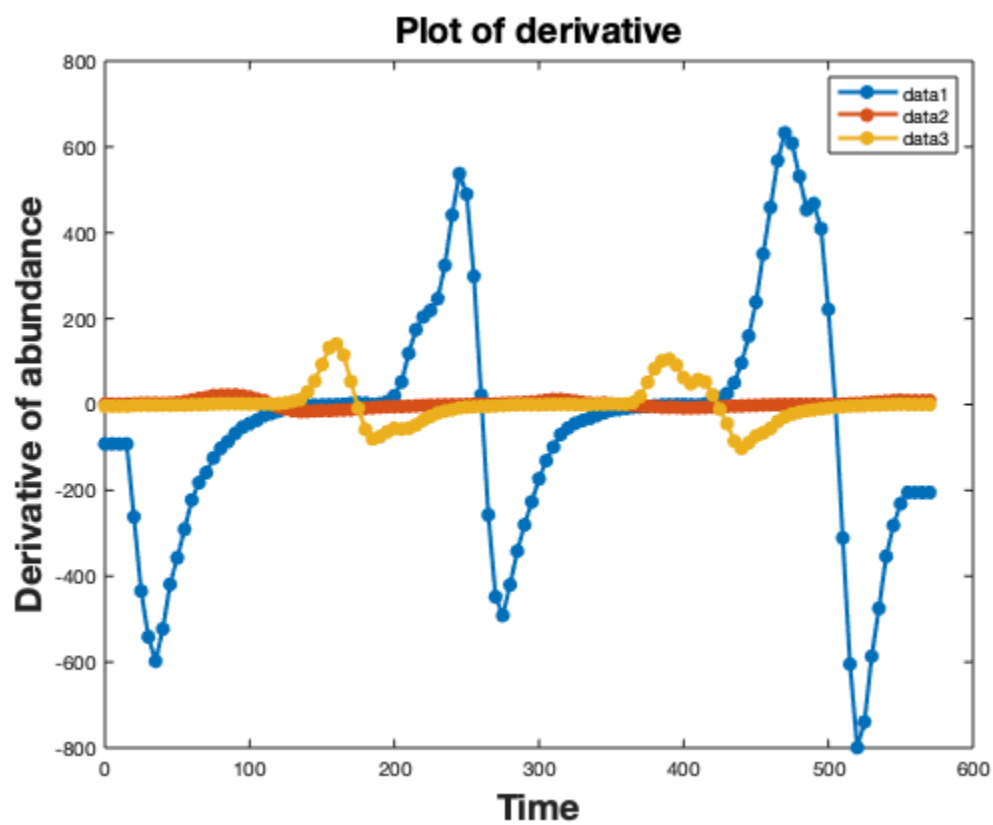$$-0.961377434701783 \qquad 0.986842400220691$$
$$0$$

Inferred Interactions

Variable 1 negatively regulates Variable 3
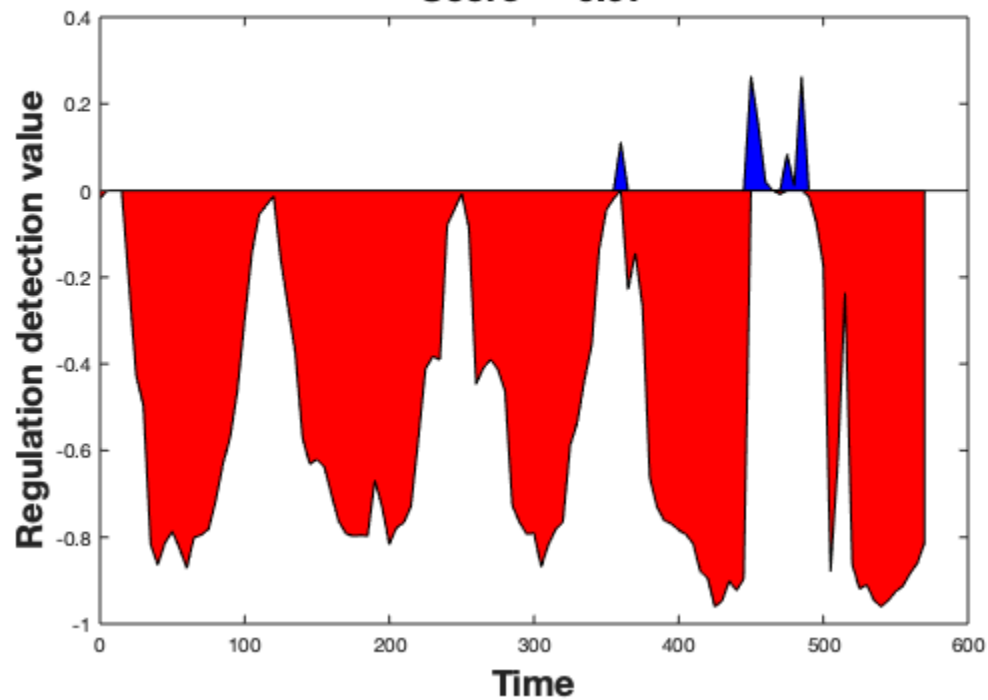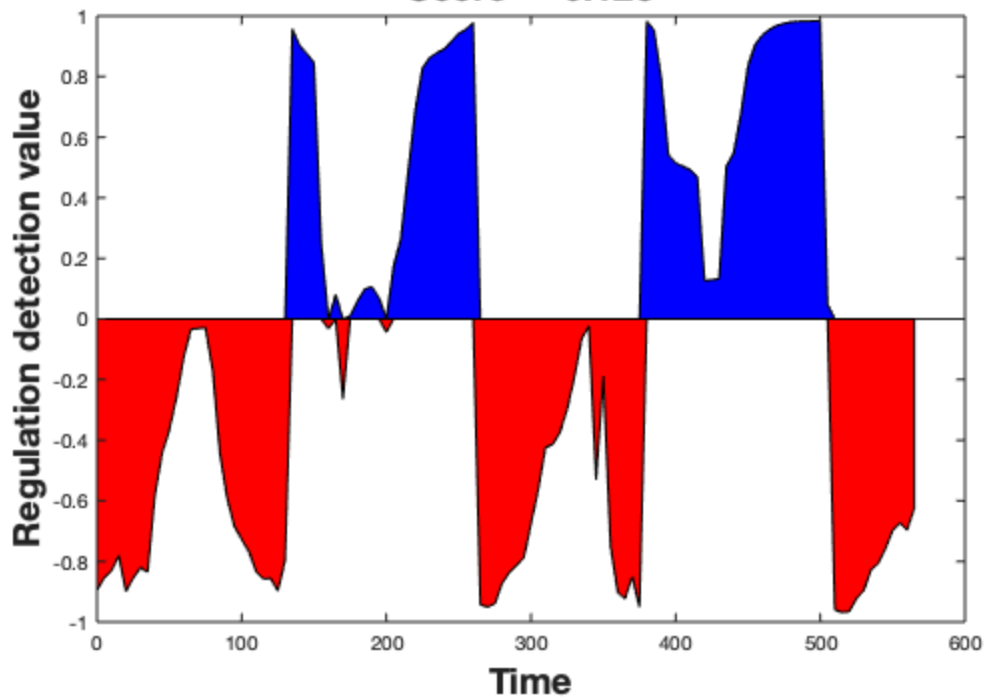
Data figure

Derivative Figure

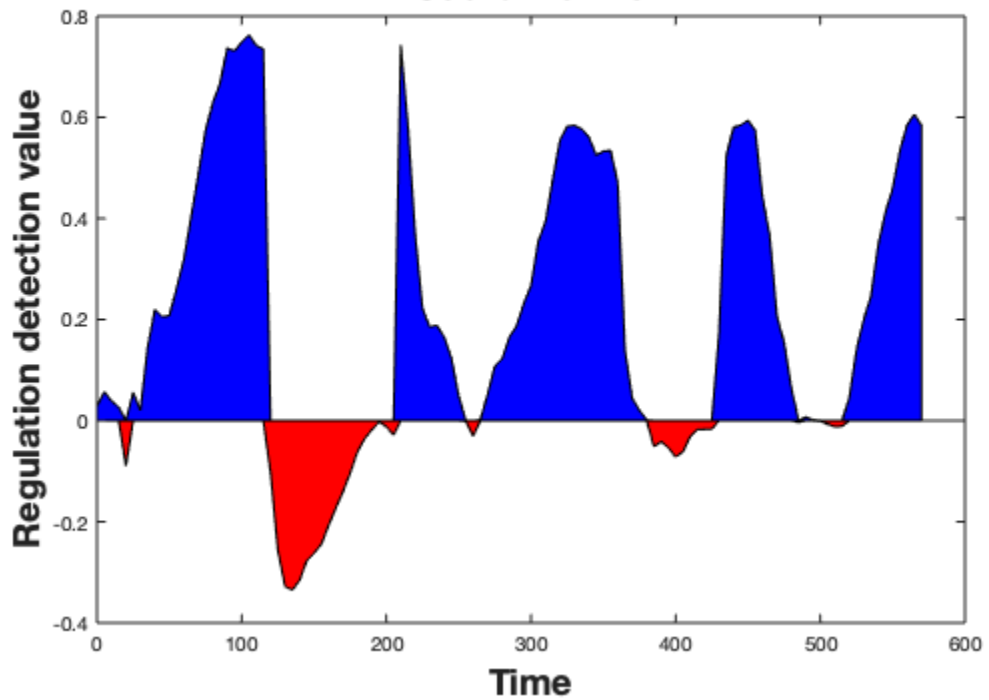# Regulation detection functions for self-regulations

Regulation Detection Function for Variable 1 onto Variable 1
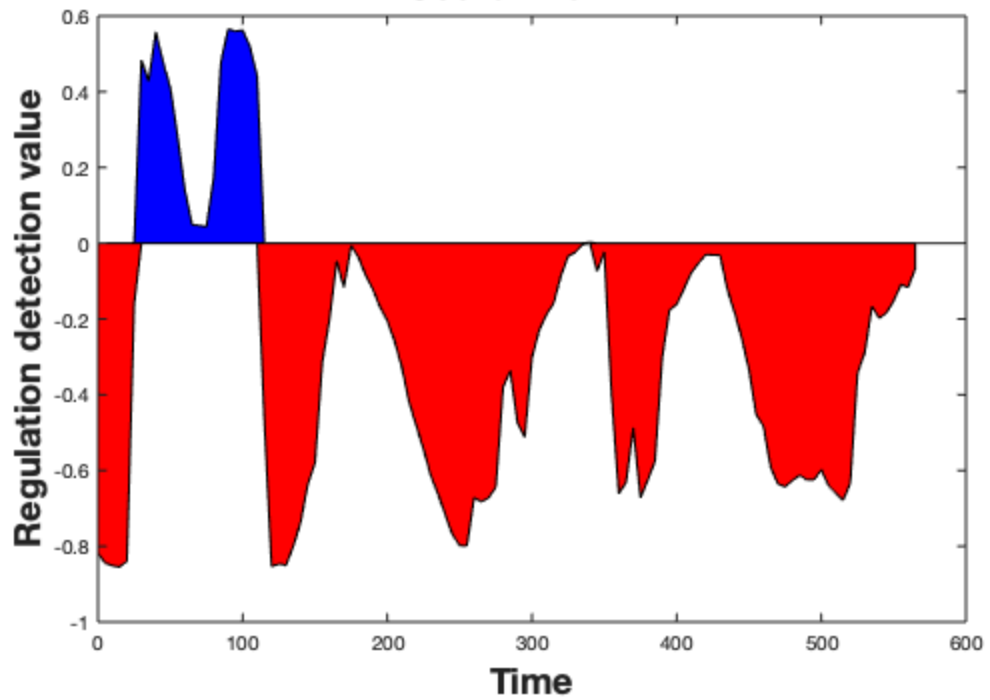Fixing Variable 2
Score = -0.97

Regulation Detection Function for Variable 1 onto Variable 1
Fixing Variable 3
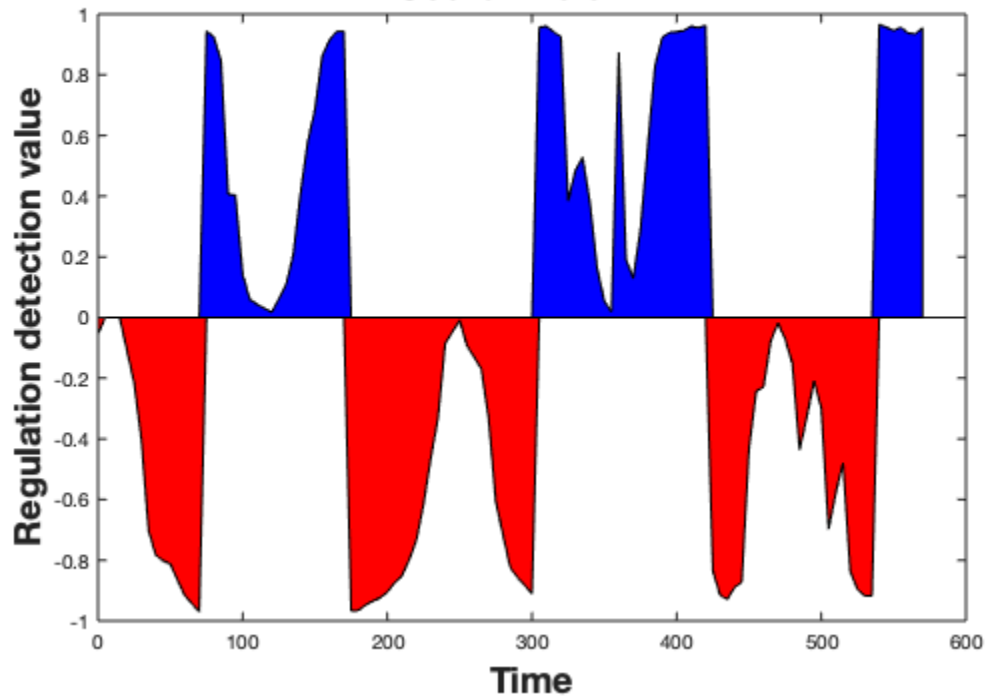### Score = -0.125

Regulation Detection Function for Variable 2 onto Variable 2
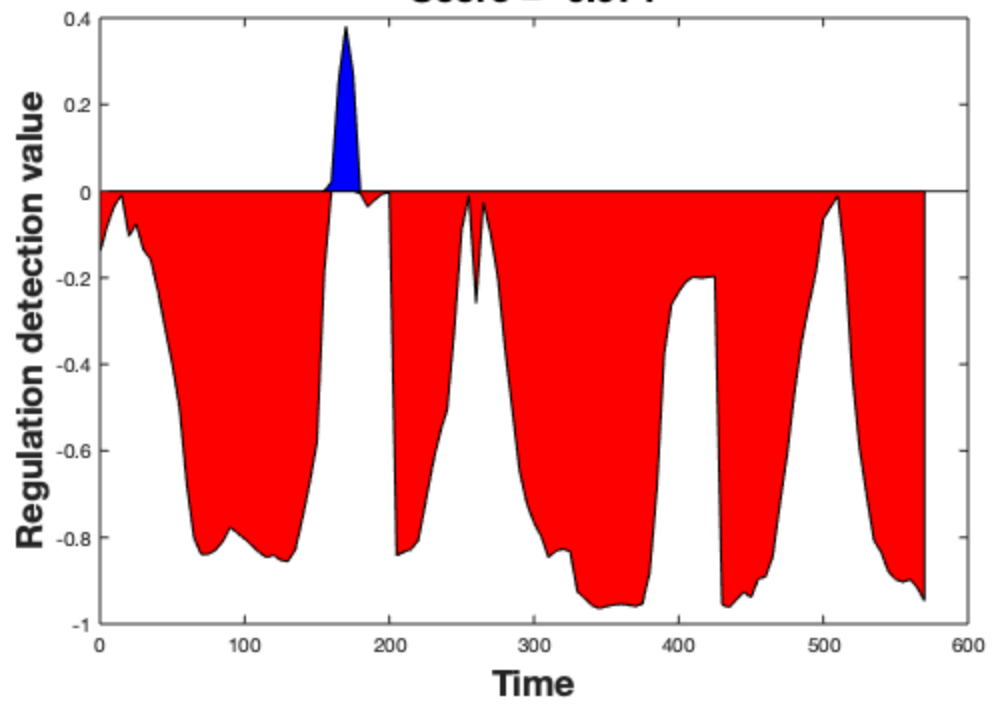### Fixing Variable 1
Score = 0.775

Regulation Detection Function for Variable 2 onto Variable 2 Fixing Variable 3
Score = -0.724

Regulation Detection Function for Variable 3 onto Variable 3 Fixing Variable 2
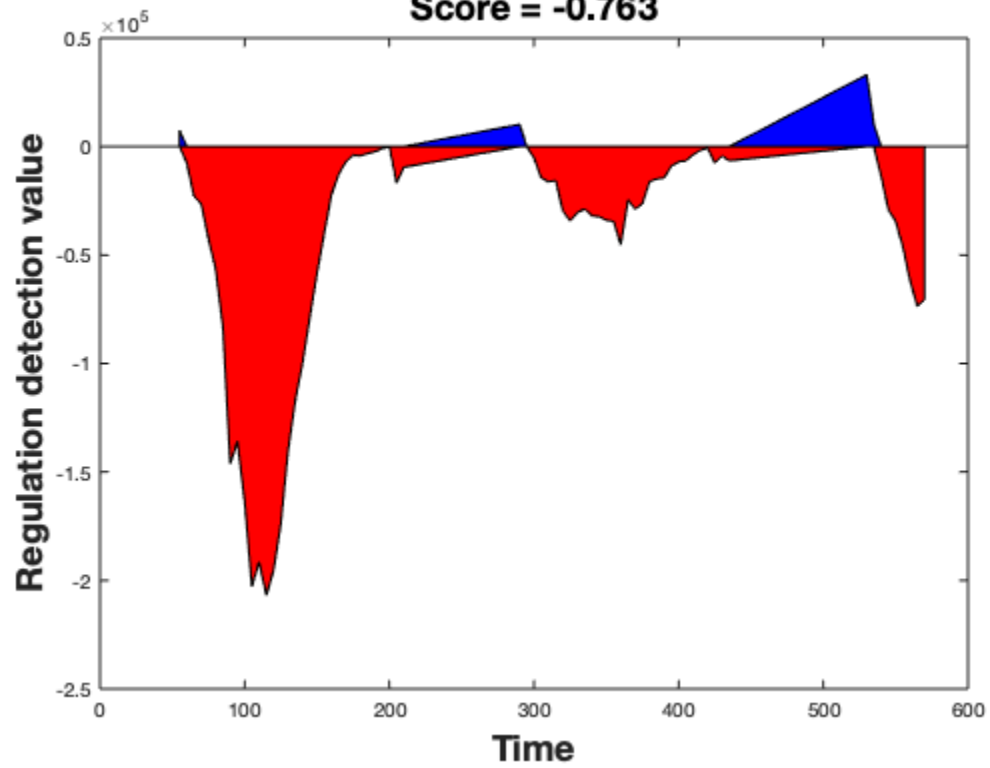### Score = -0.0717

Regulation Detection Function for Variable 3 onto Variable 3
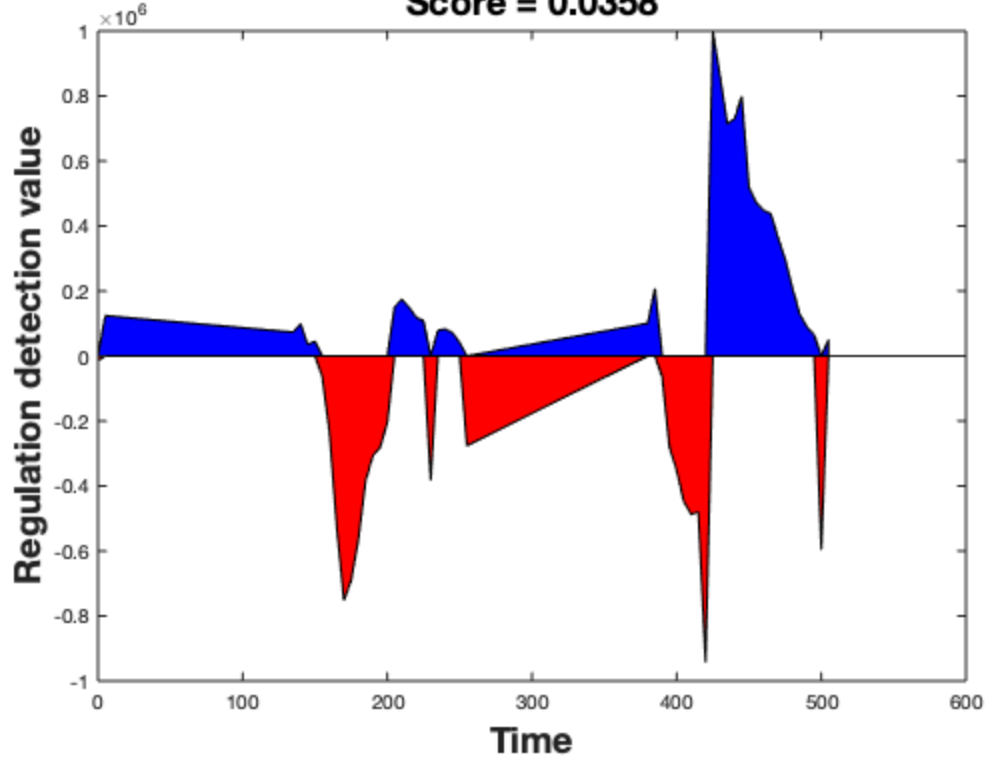## Fixing Variable 1
Score = -0.971

Regulation detection functions

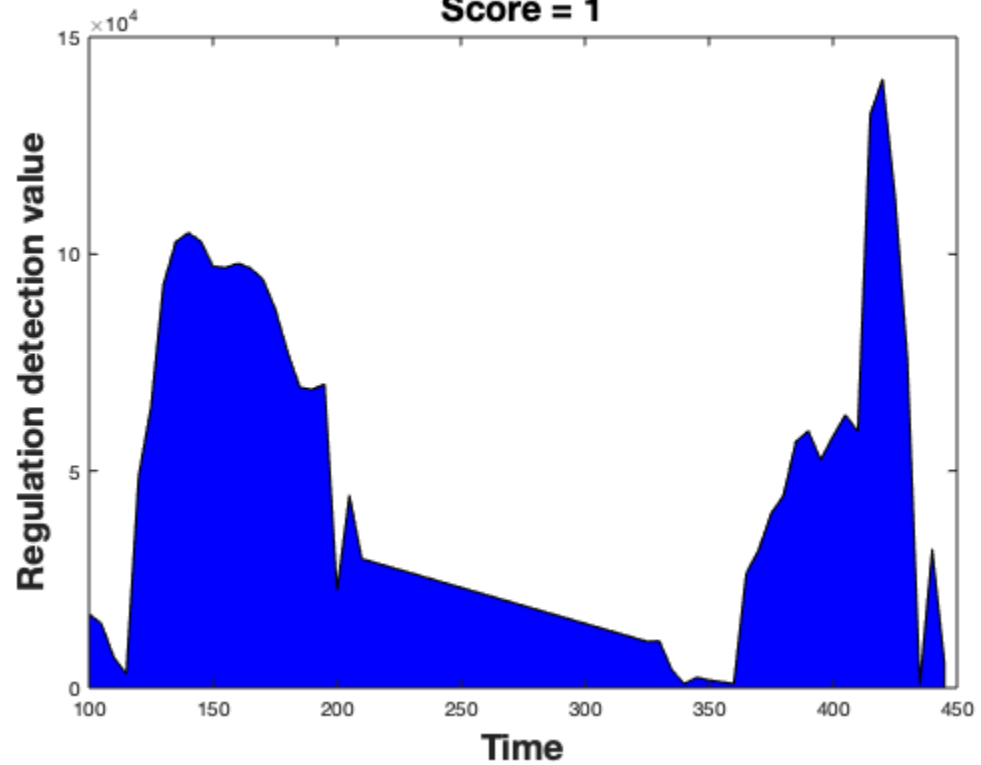**Regulation Detection Function for Variable 2 onto Variable 1**
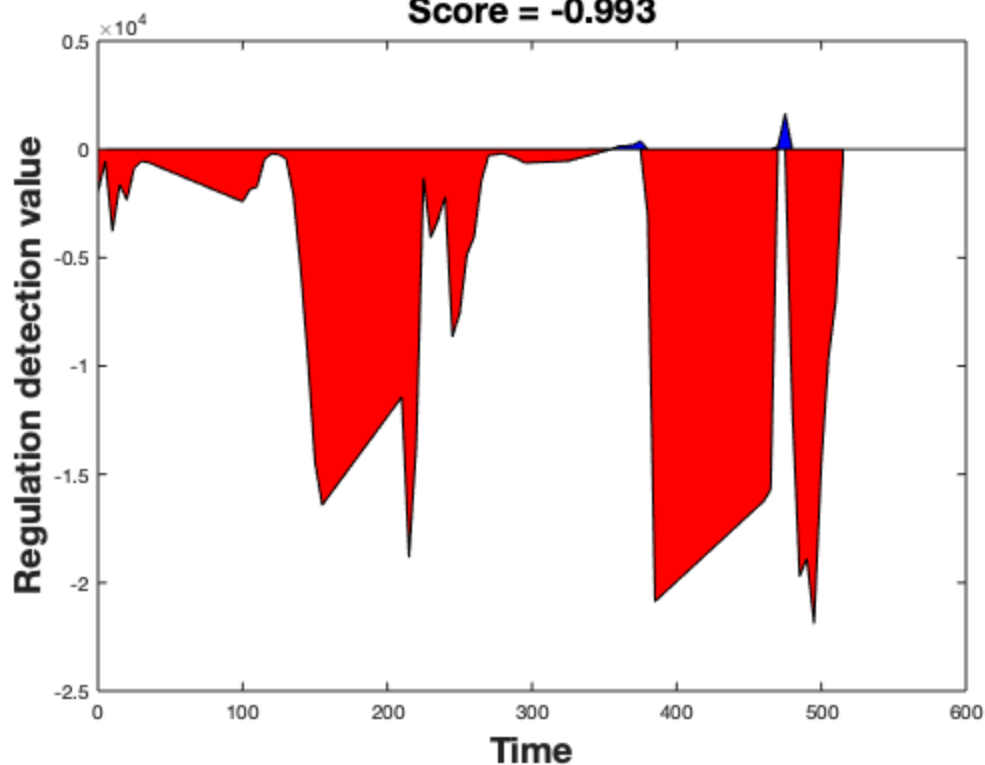**Score = -0.763**

Regulation Detection Function for Variable 3 onto Variable 1
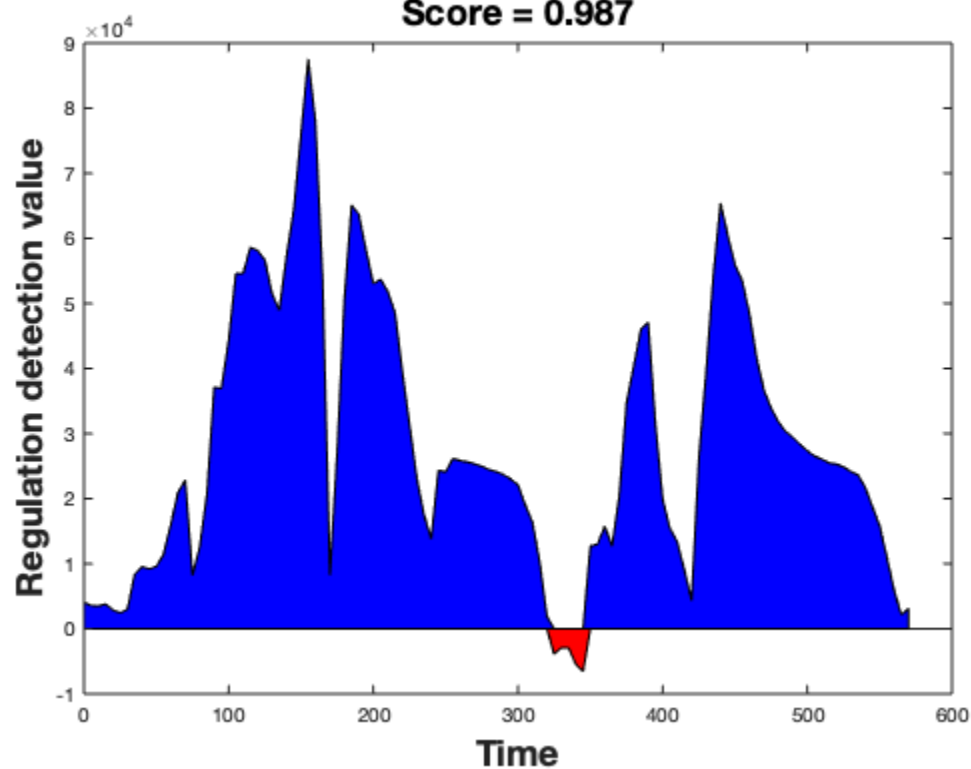## Score = 0.0358

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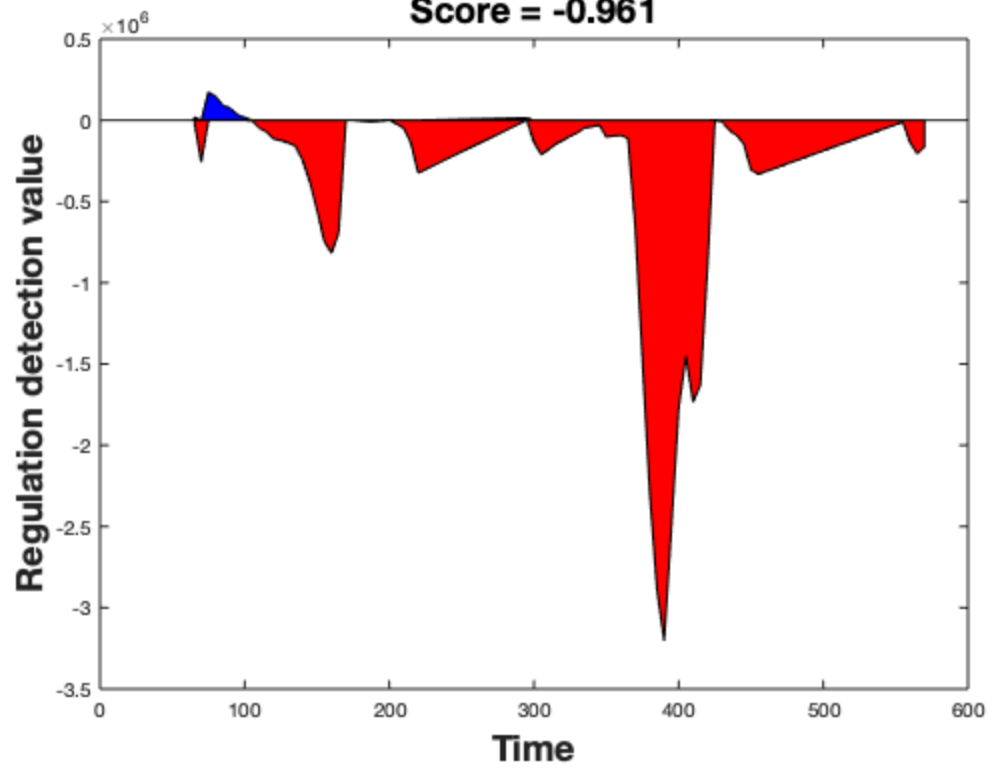## Score = 1

Regulation Detection Function for Variable 3 onto Variable 2
Score = -0.993

Regulation Detection Function for Variable 2 onto Variable 3
Score = 0.987

Regulation Detection Function for Variable 1 onto Variable 3
Score = -0.961

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