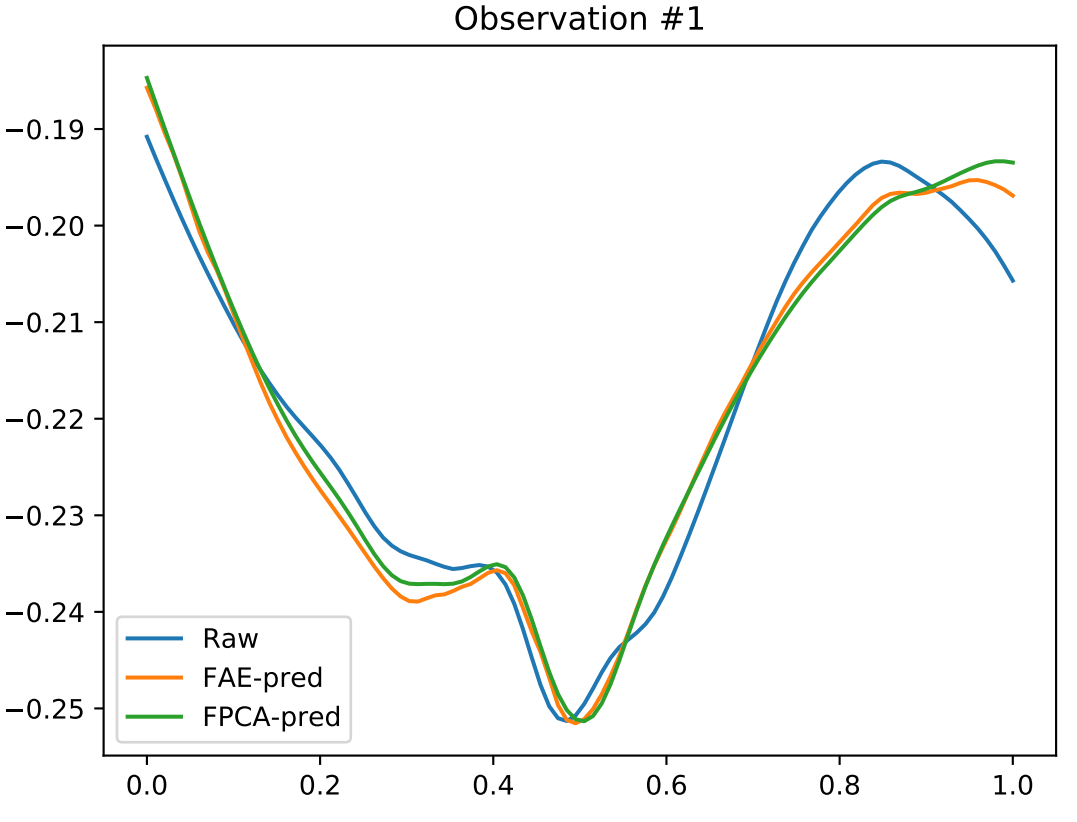
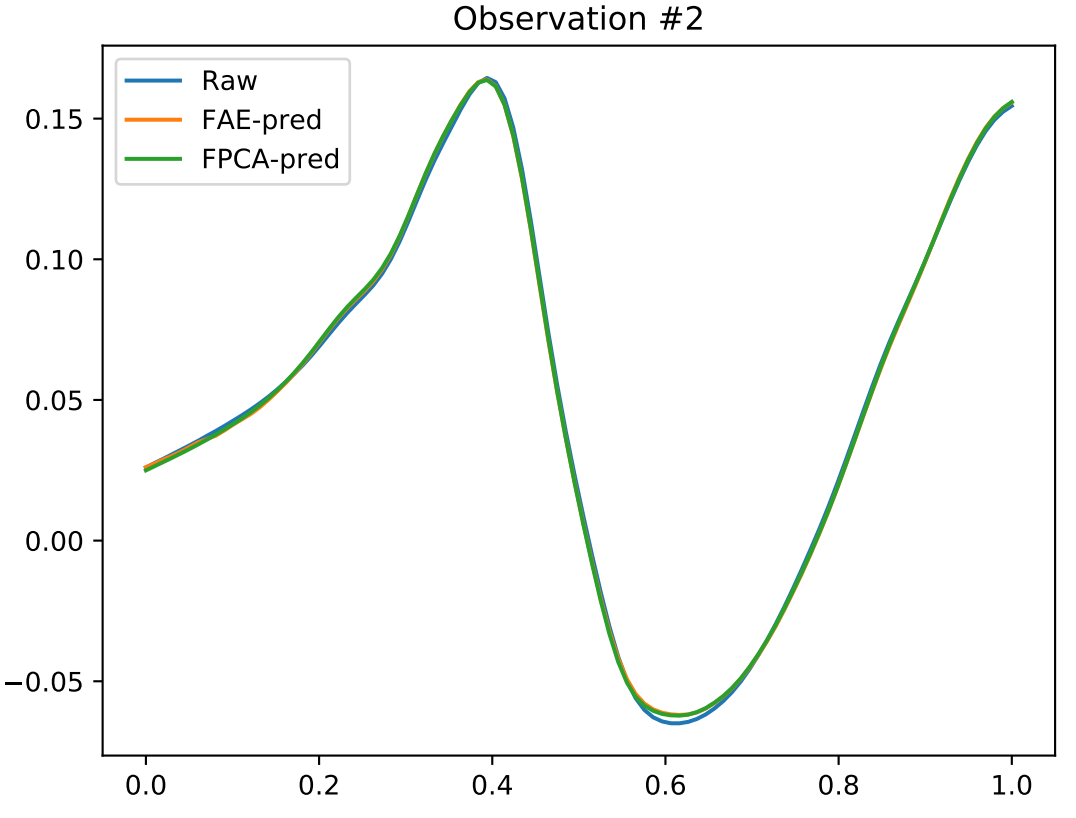
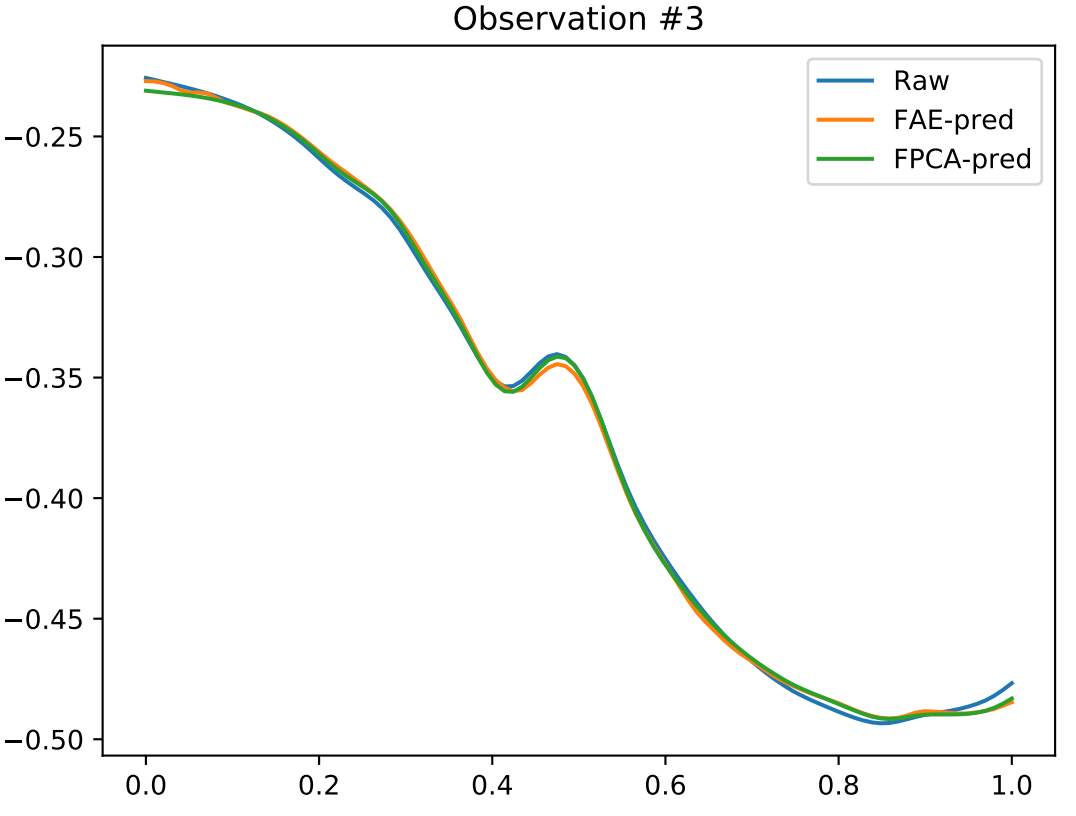
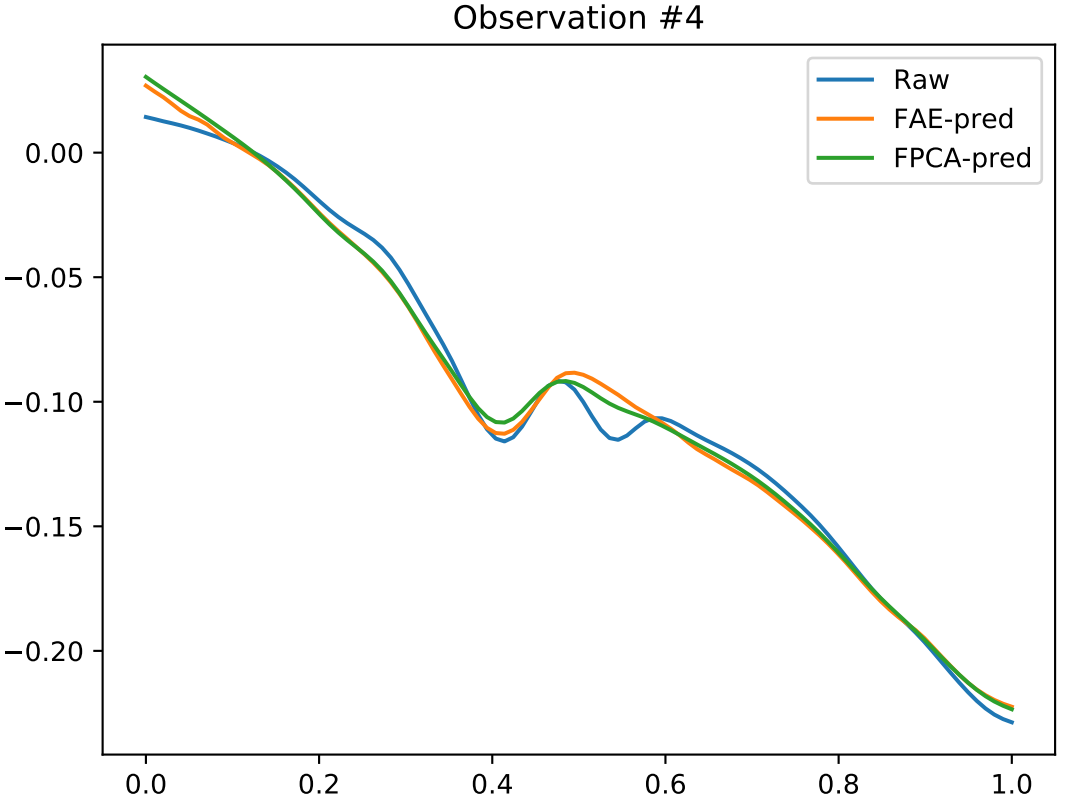
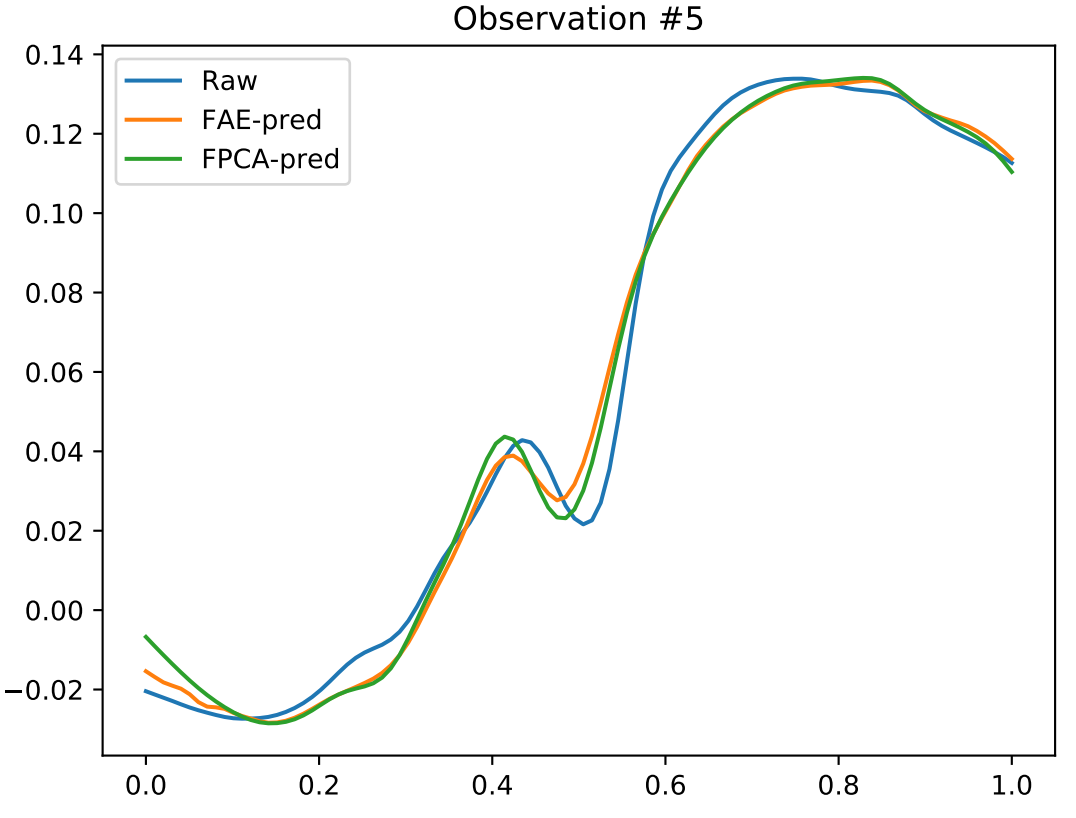
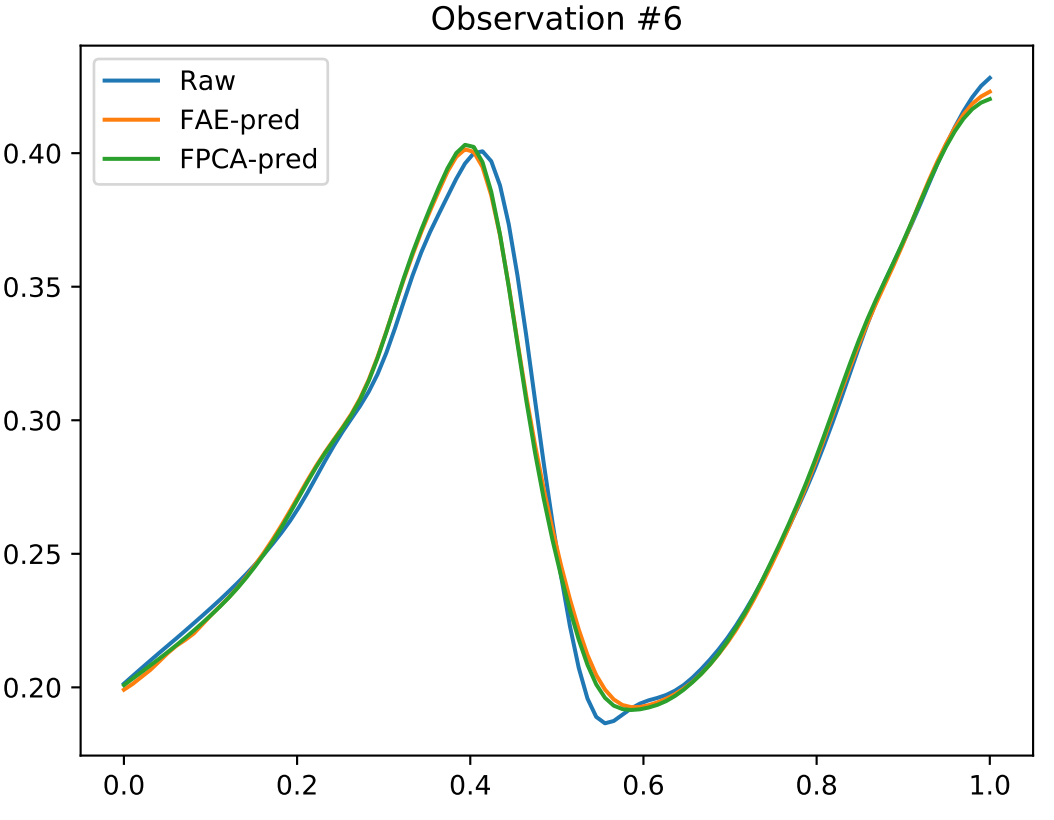

Observation #1
−0.19
−0.20
−0.21
−0.22
−0.23
−0.24
−0.25
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

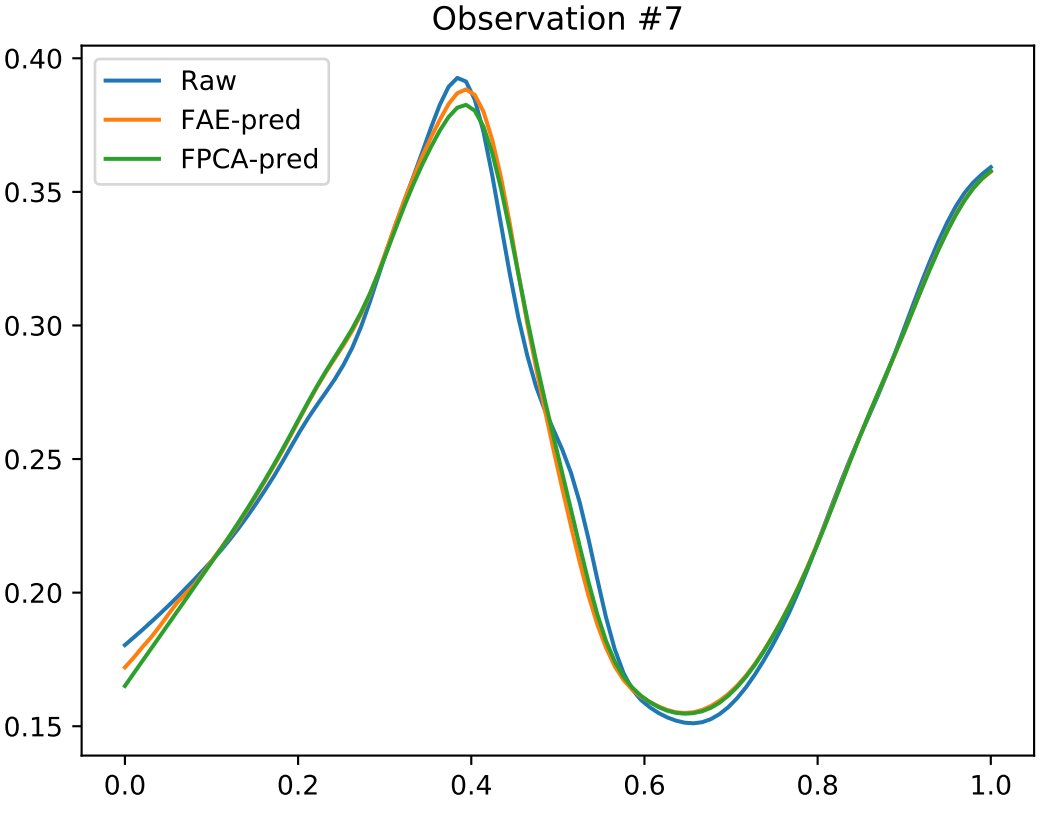

Observation #2
Raw
FAE-pred
FPCA-pred
0.15
0.10
0.05
0.00
−0.05
0.0
0.2
0.4
0.6
0.8
1.0

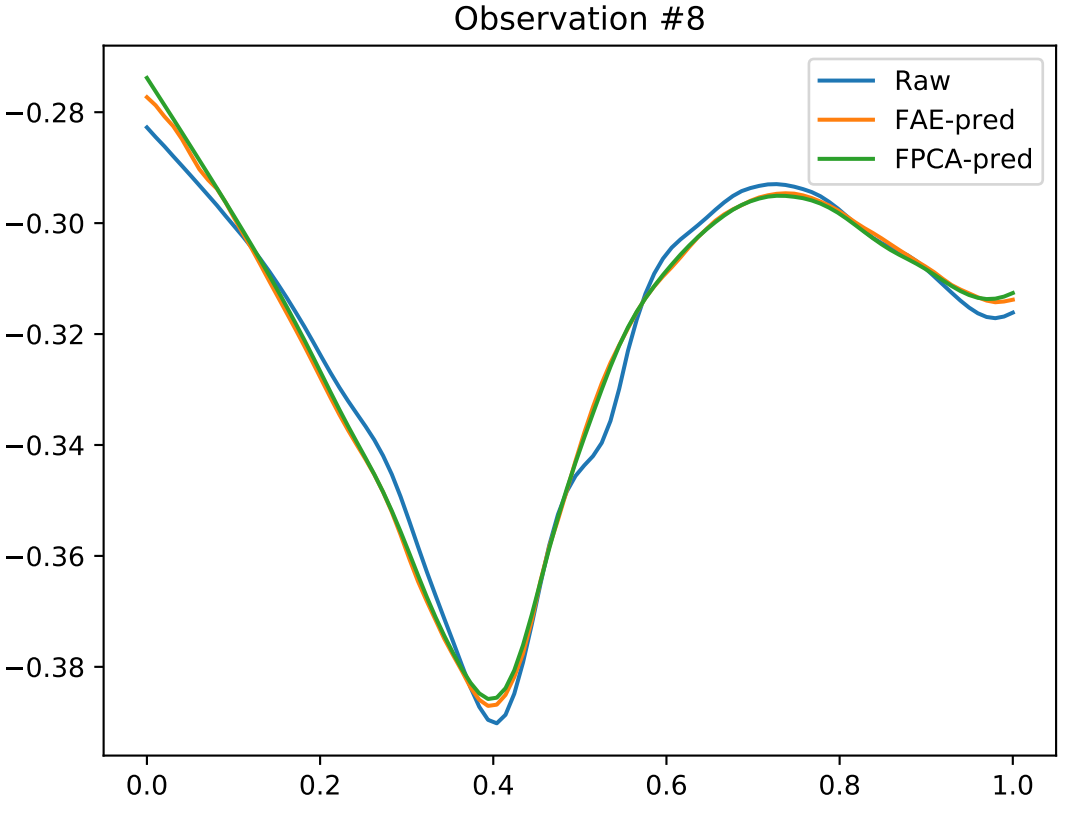

Observation #3
Raw
FAE-pred
FPCA-pred
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
0.0
0.2
0.4
0.6
0.8
1.0

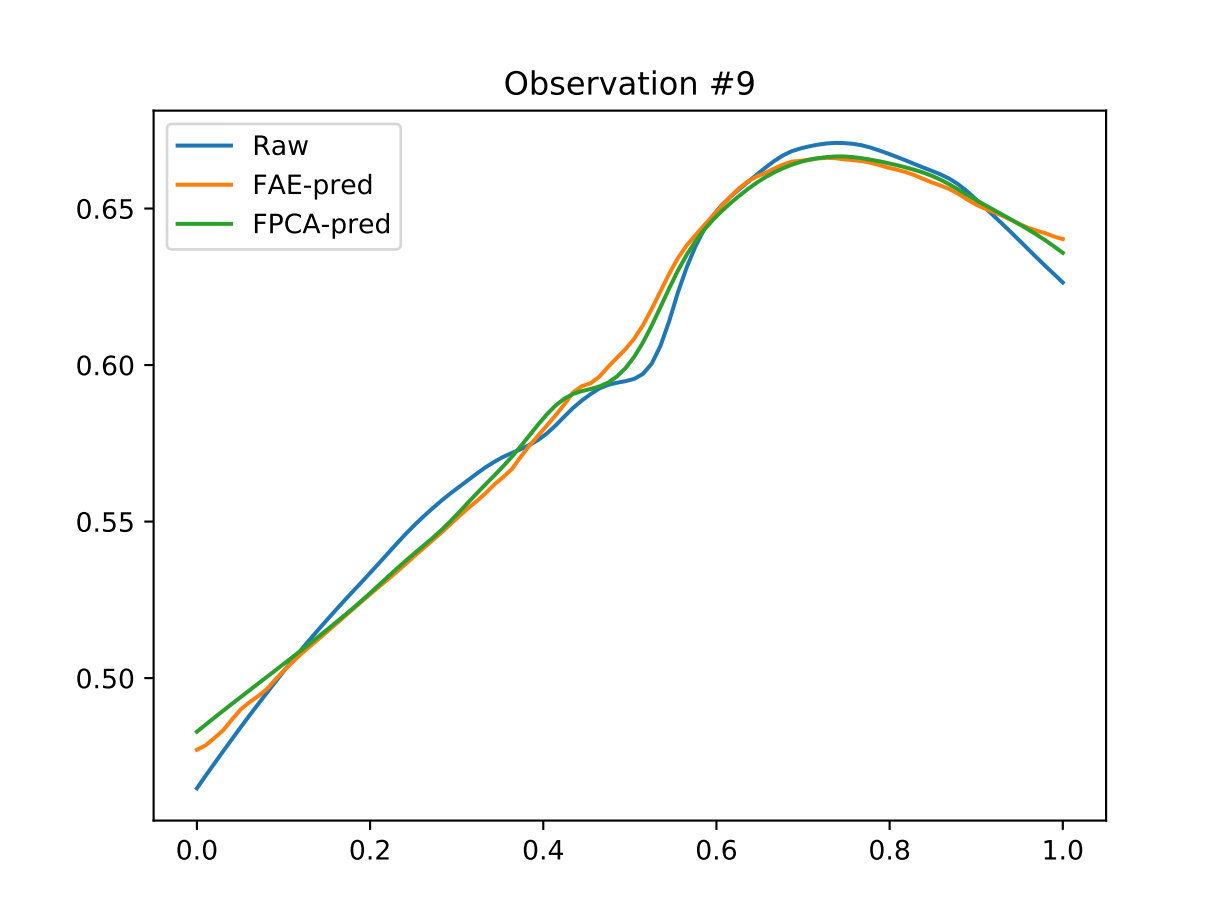

Observation #4
Raw
FAE-pred
FPCA-pred
0.00
−0.05
−0.10
−0.15
−0.20
0.0
0.2
0.4
0.6
0.8
1.0

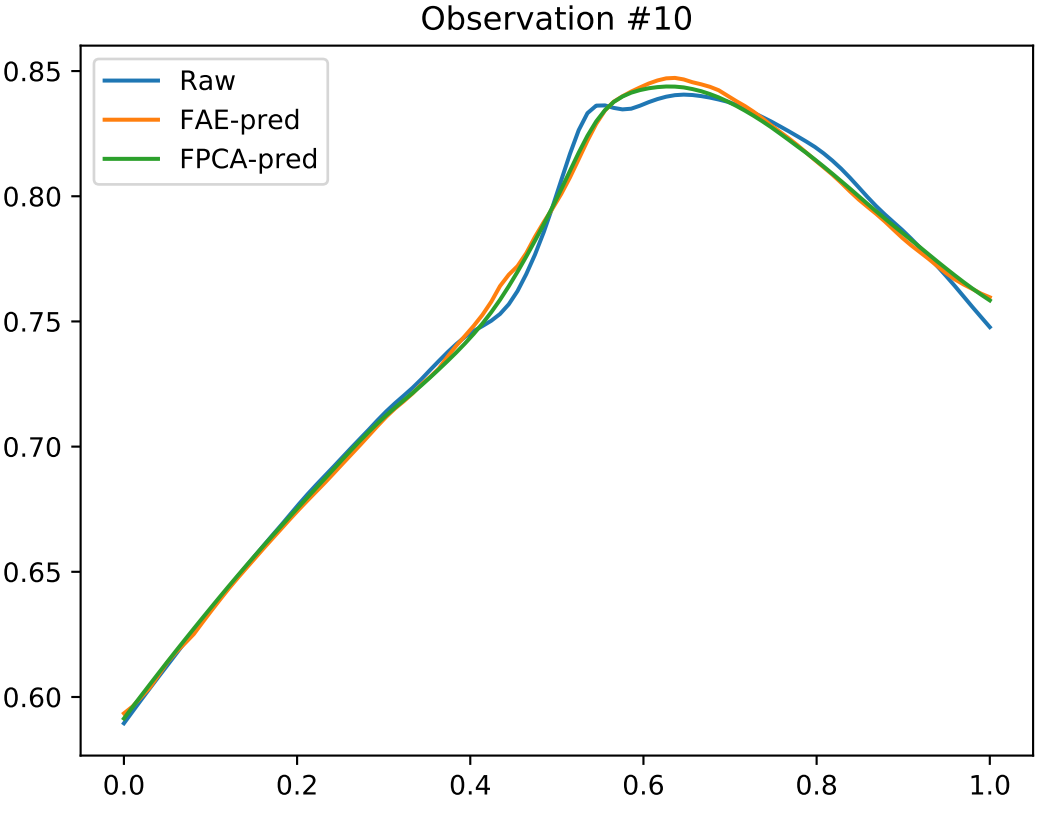

Observation #5
Raw
FAE-pred
FPCA-pred
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0.0
0.2
0.4
0.6
0.8
1.0

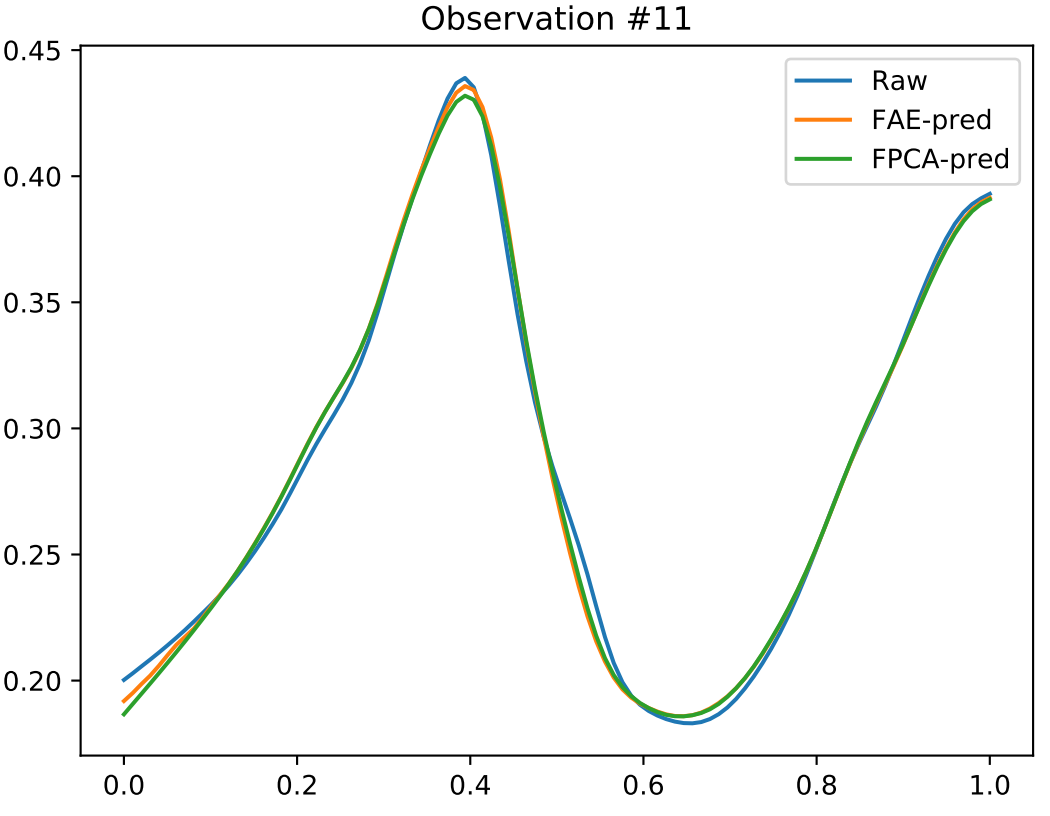

Observation #6
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.0
0.2
0.4
0.6
0.8
1.0

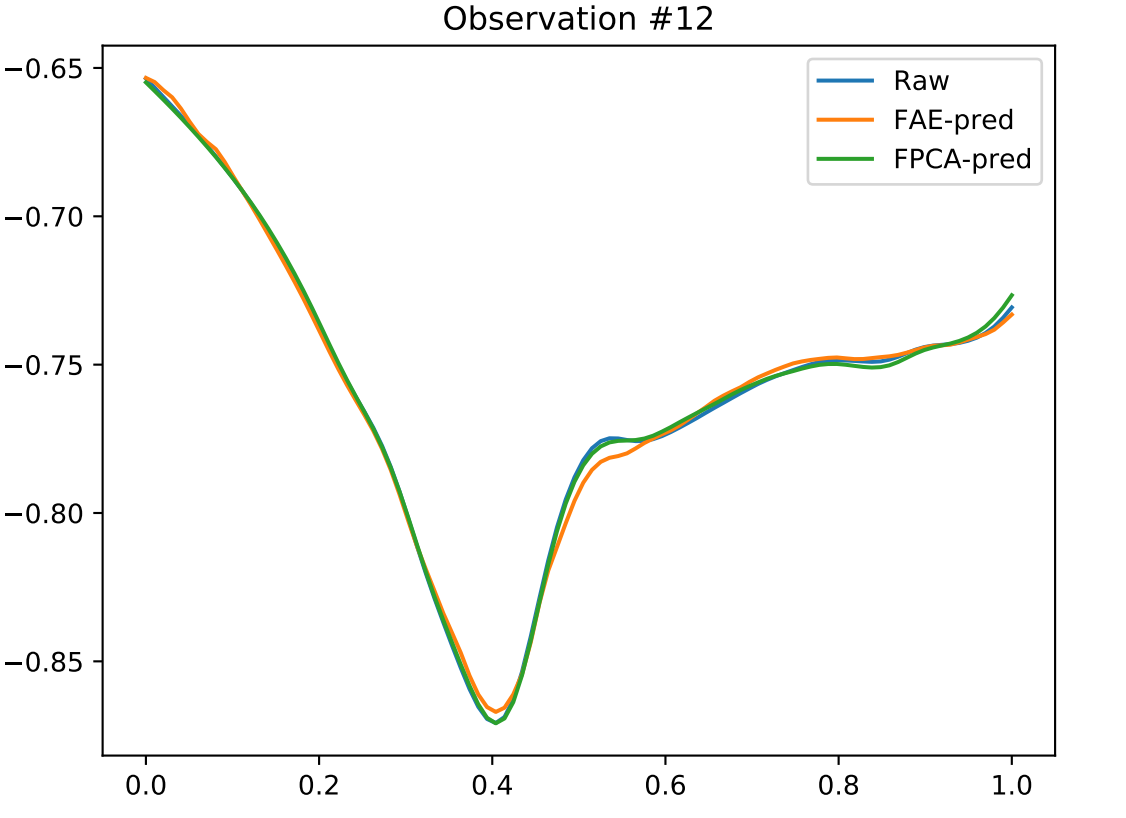

Observation #7
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.15
0.0
0.2
0.4
0.6
0.8
1.0

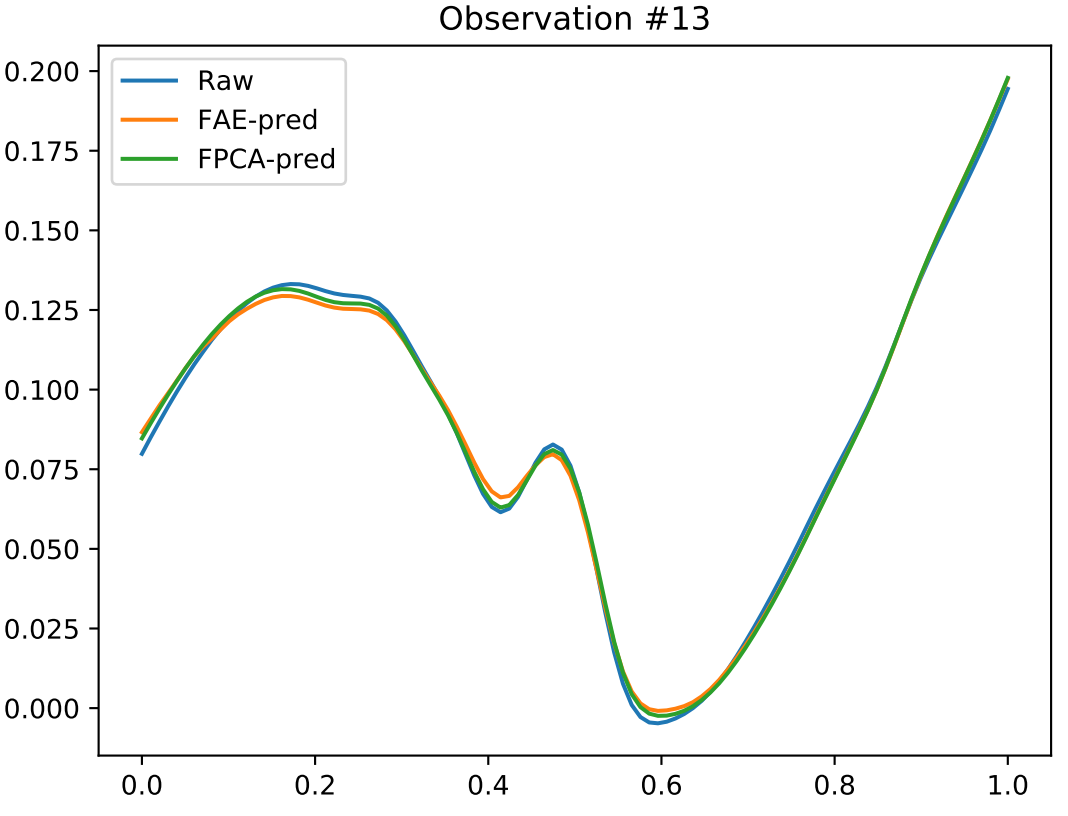

Observation #8
Raw
FAE-pred
FPCA-pred
−0.28
−0.30
−0.32
−0.34
−0.36
−0.38
0.0
0.2
0.4
0.6
0.8
1.0

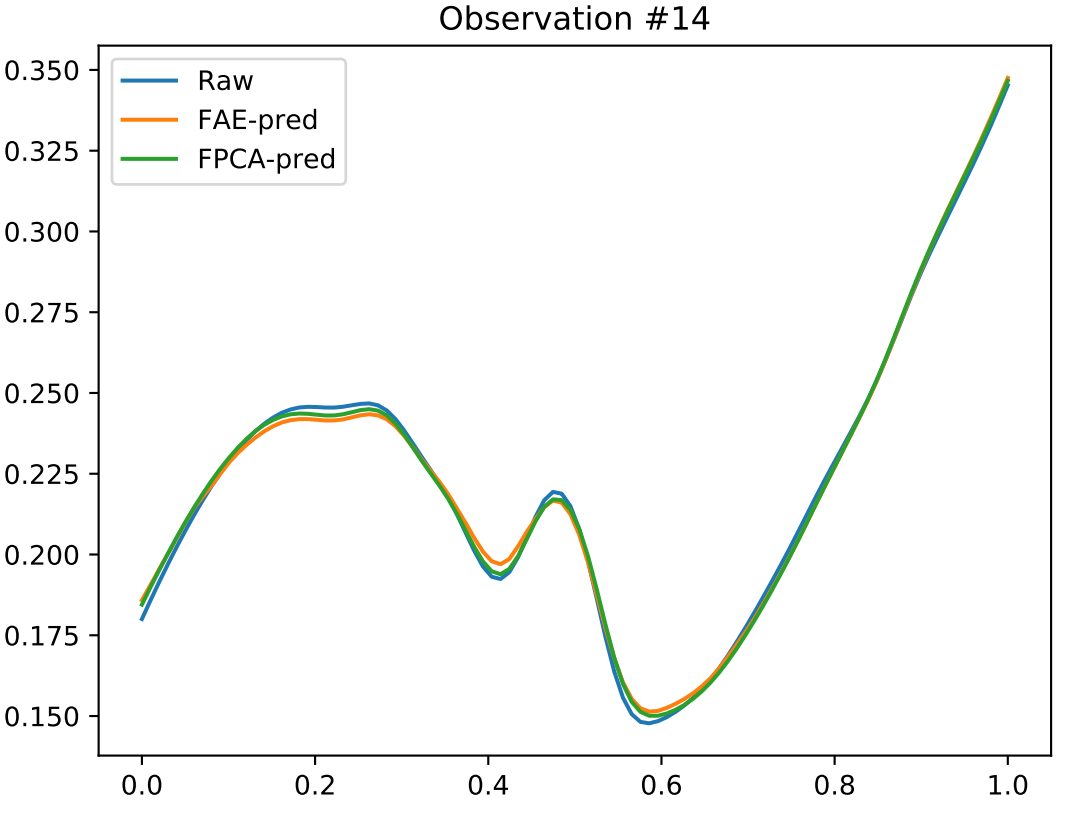

Observation #9
Raw
FAE-pred
FPCA-pred
0.65
0.60
0.55
0.50
0.0
0.2
0.4
0.6
0.8
1.0

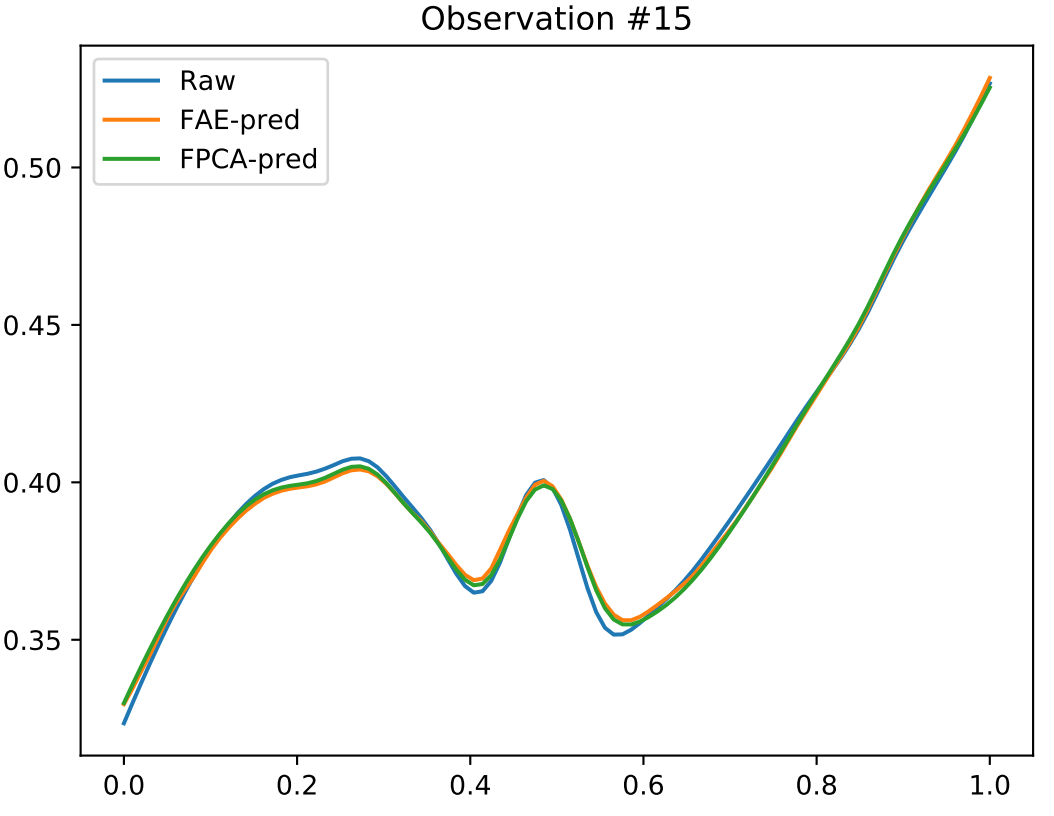

Observation #10
Raw
FAE-pred
FPCA-pred
0.85
0.80
0.75
0.70
0.65
0.60
0.0
0.2
0.4
0.6
0.8
1.0

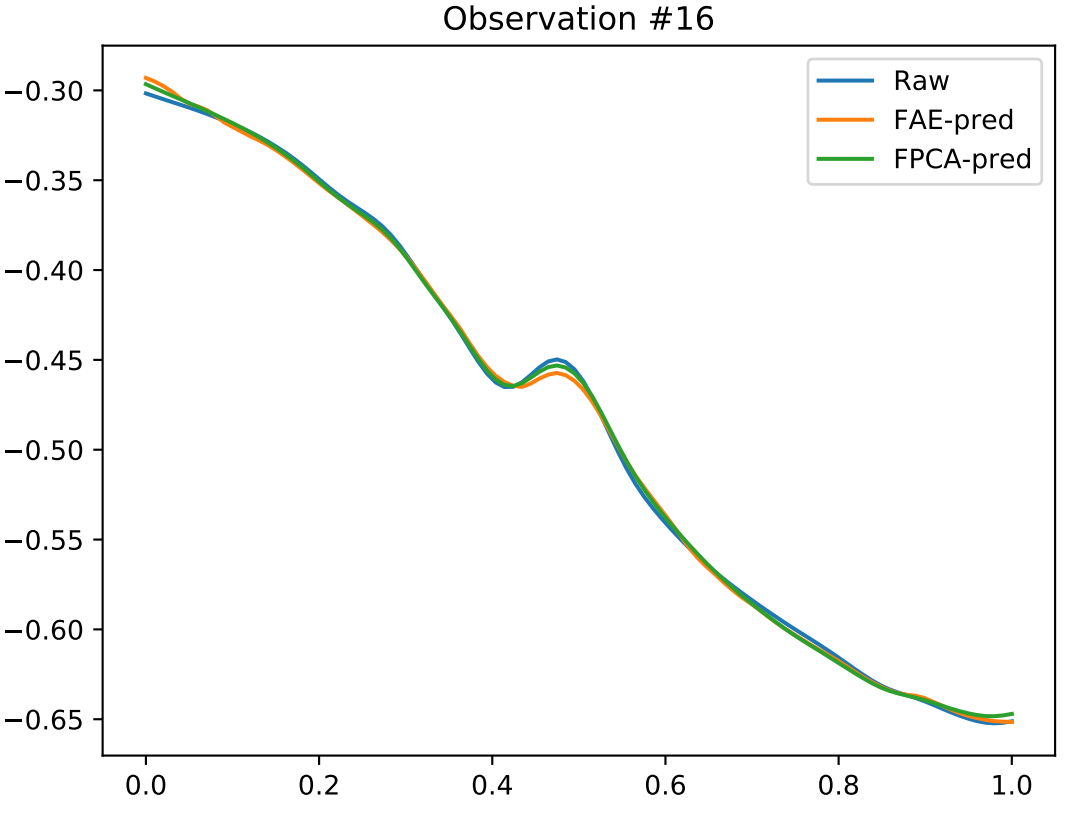

Observation #11
Raw
FAE-pred
FPCA-pred
0.45
0.40
0.35
0.30
0.25
0.20
0.0
0.2
0.4
0.6
0.8
1.0

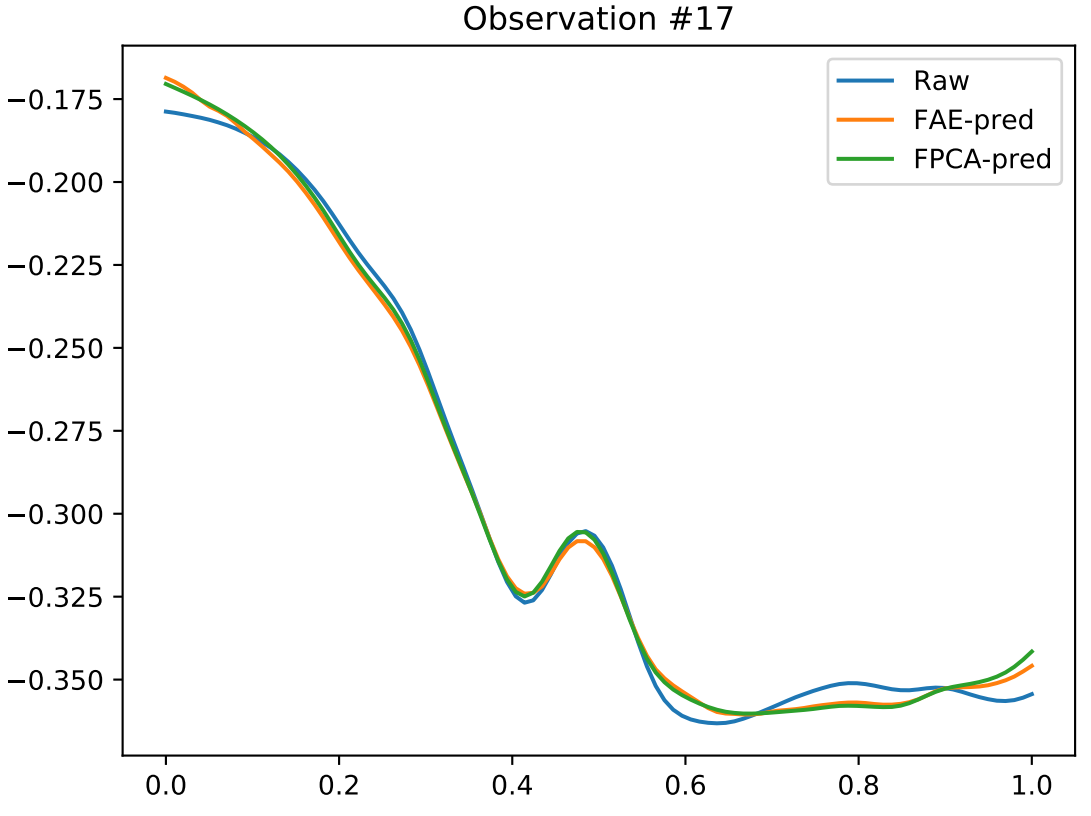

Observation #12
Raw
FAE-pred
FPCA-pred
−0.65
−0.70
−0.75
−0.80
−0.85
0.0
0.2
0.4
0.6
0.8
1.0

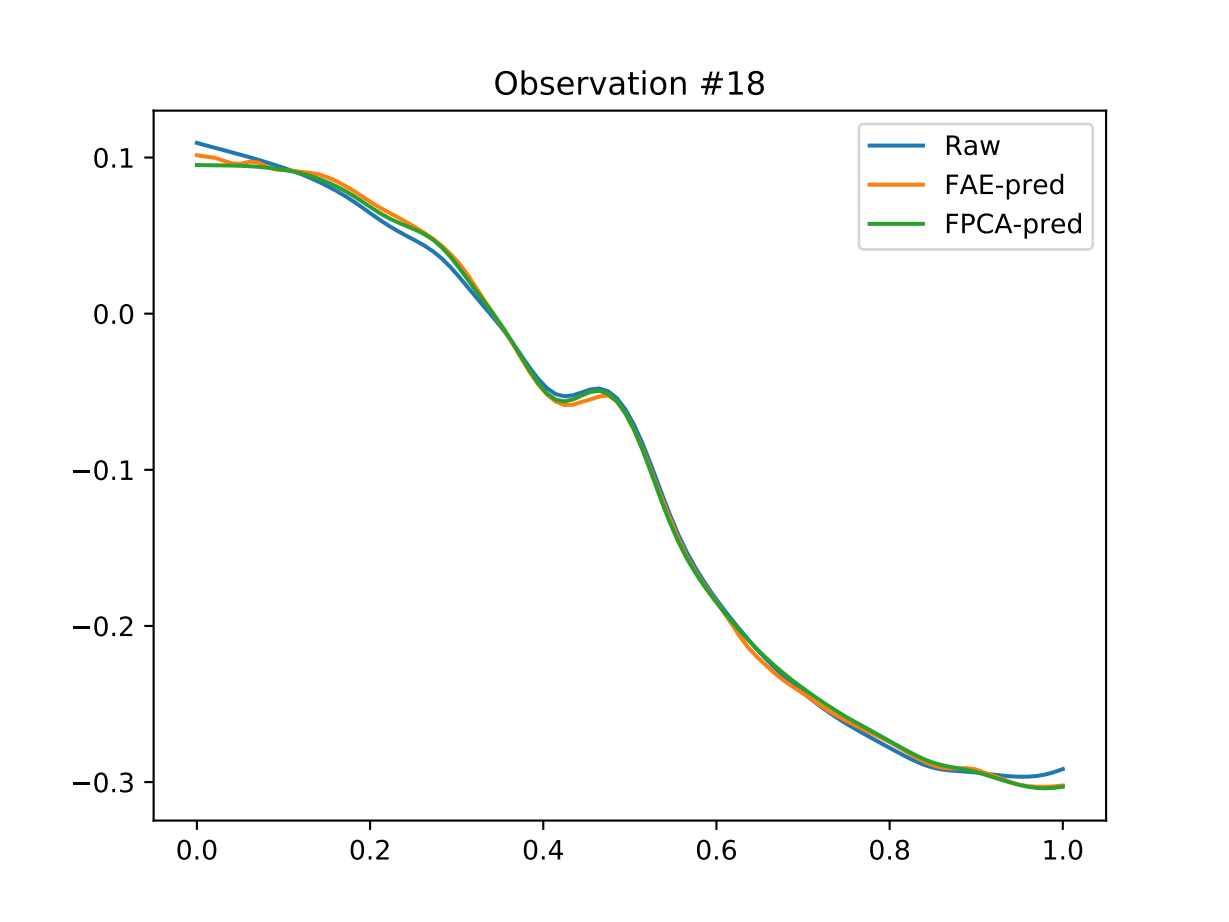

Observation #13
Raw
FAE-pred
FPCA-pred
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0

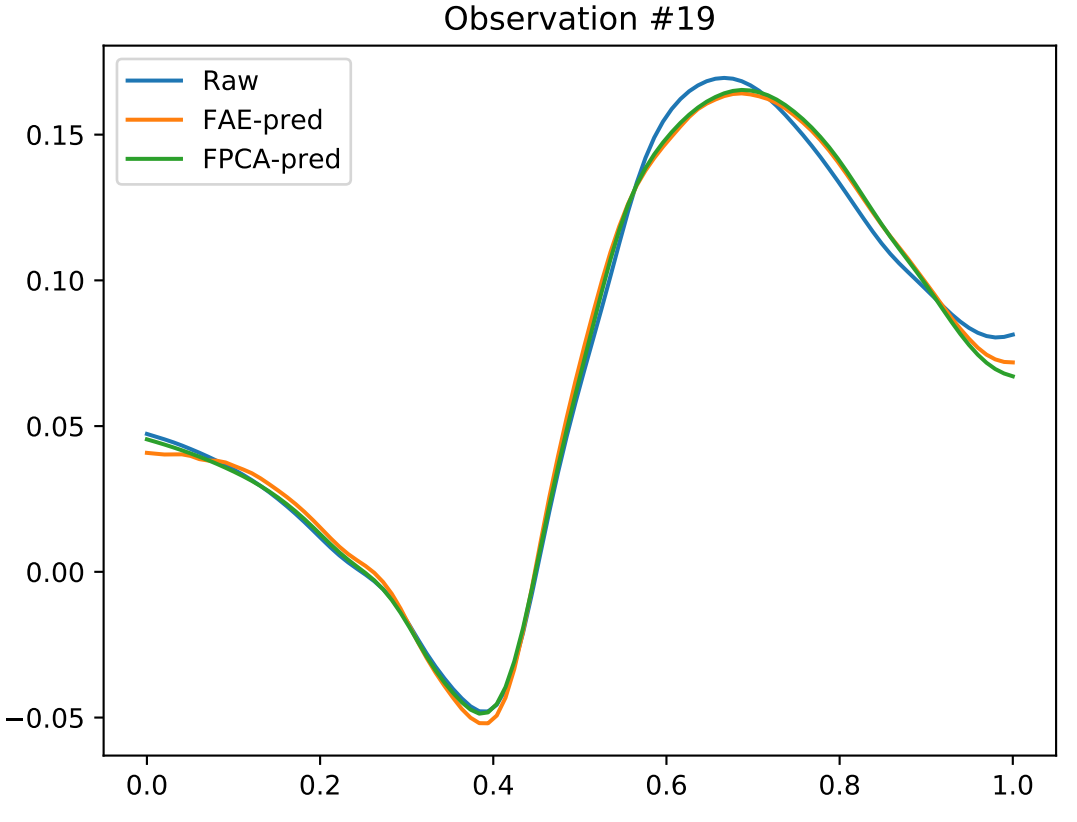

Observation #14
Raw
FAE-pred
FPCA-pred
0.350
0.325
0.300
0.275
0.250
0.225
0.200
0.175
0.150
0.0
0.2
0.4
0.6
0.8
1.0

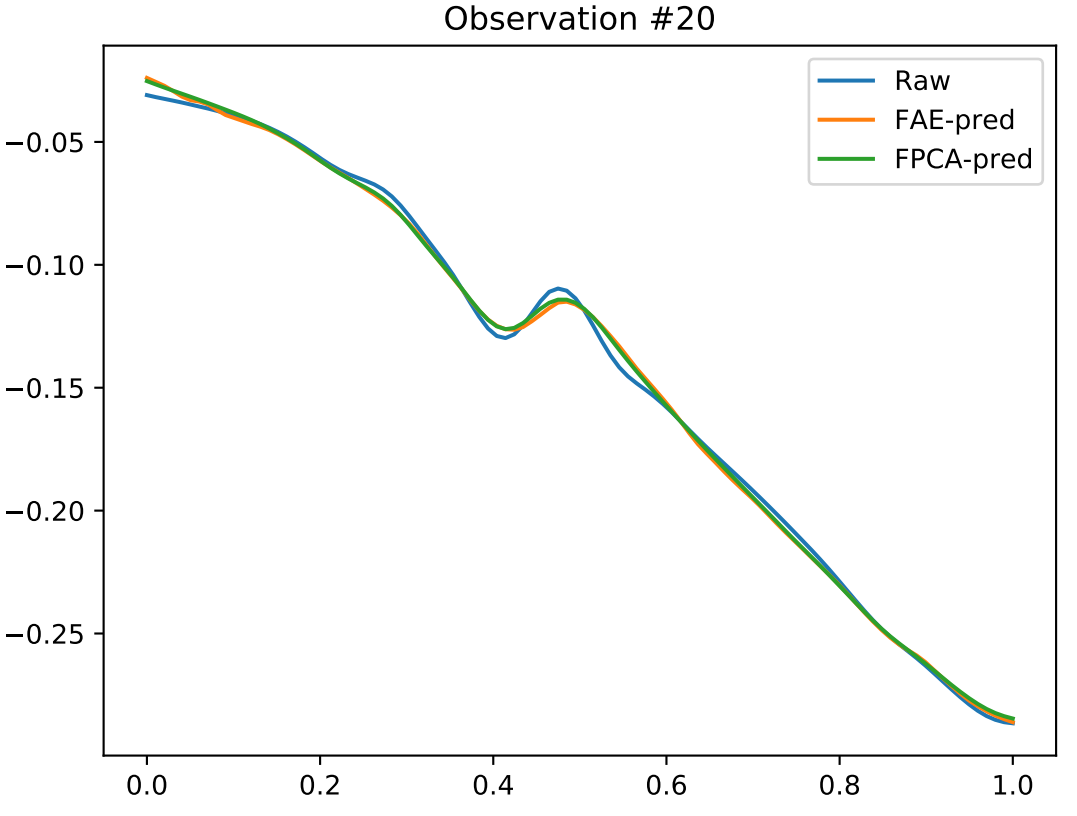

Observation #15
Raw
FAE-pred
FPCA-pred
0.50
0.45
0.40
0.35
0.0
0.2
0.4
0.6
0.8
1.0

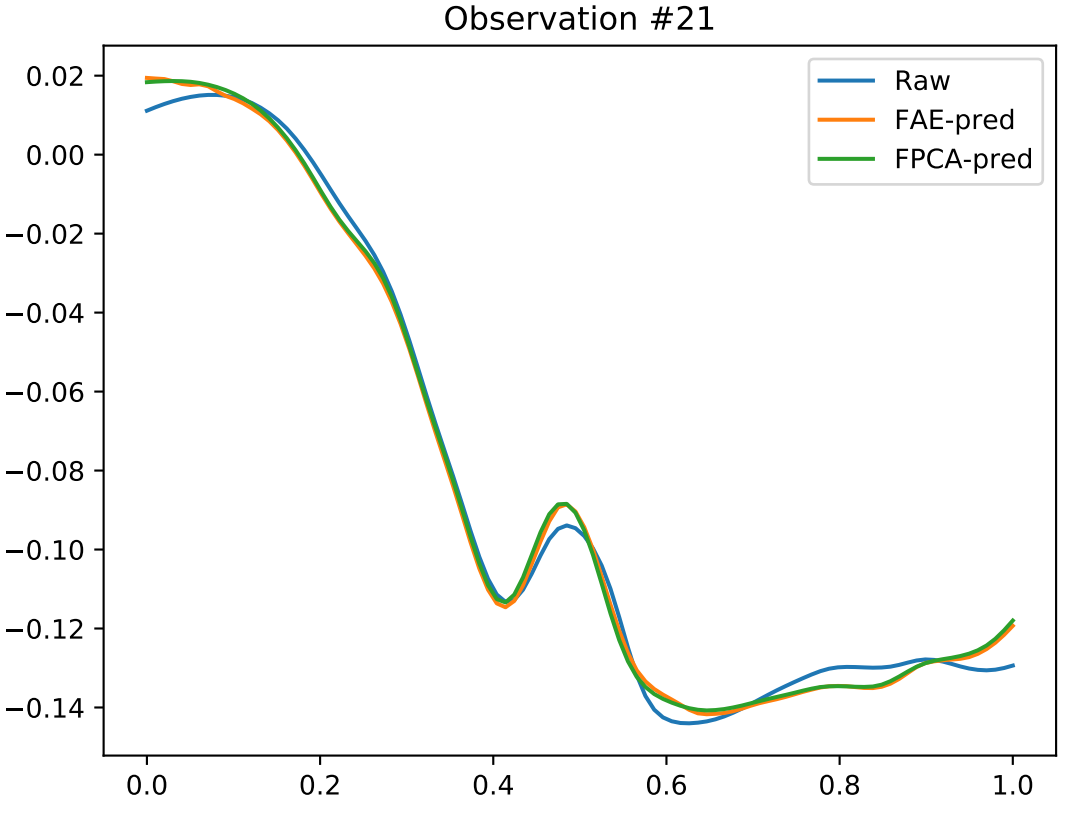

Observation #16
Raw
FAE-pred
FPCA-pred
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
0.0
0.2
0.4
0.6
0.8
1.0

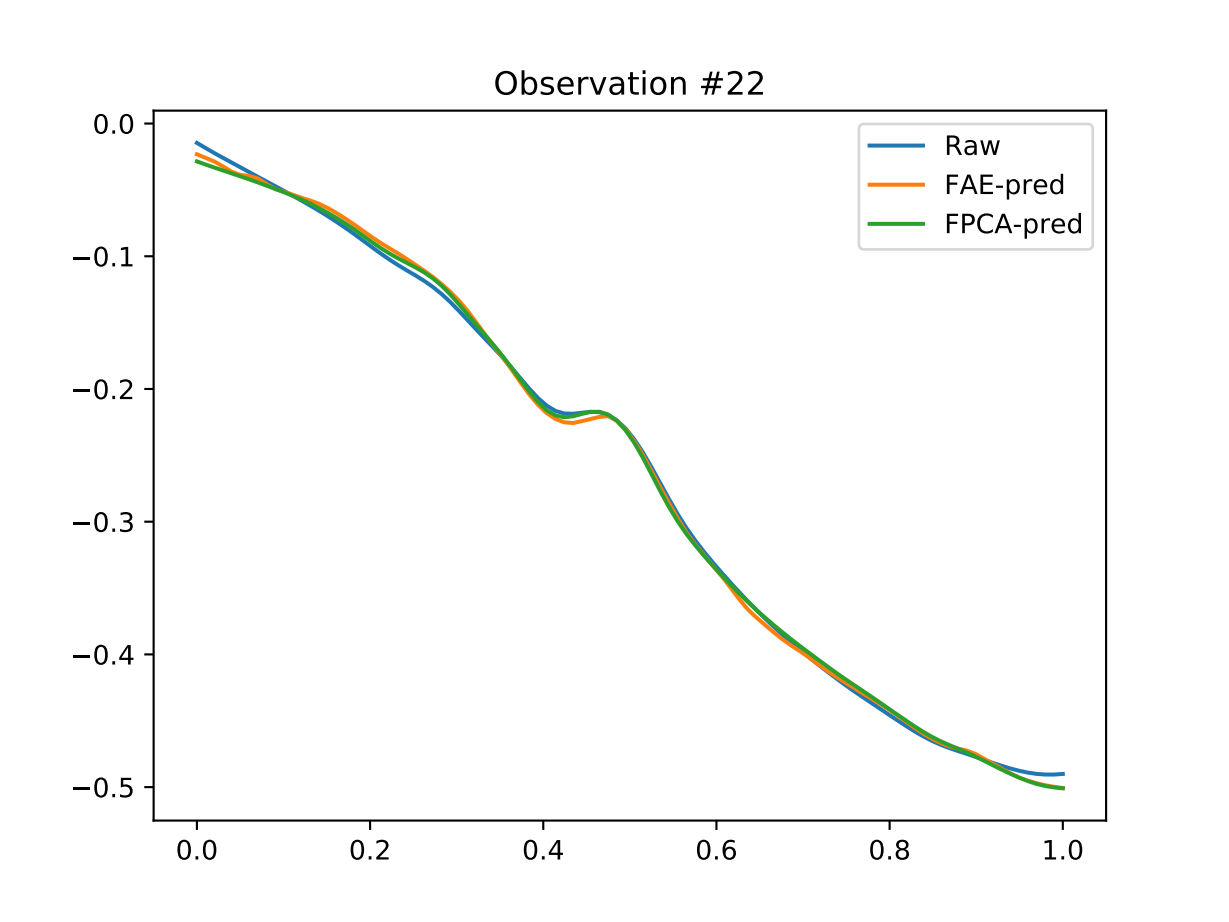

Observation #17
Raw
FAE-pred
FPCA-pred
−0.175
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
0.0
0.2
0.4
0.6
0.8
1.0

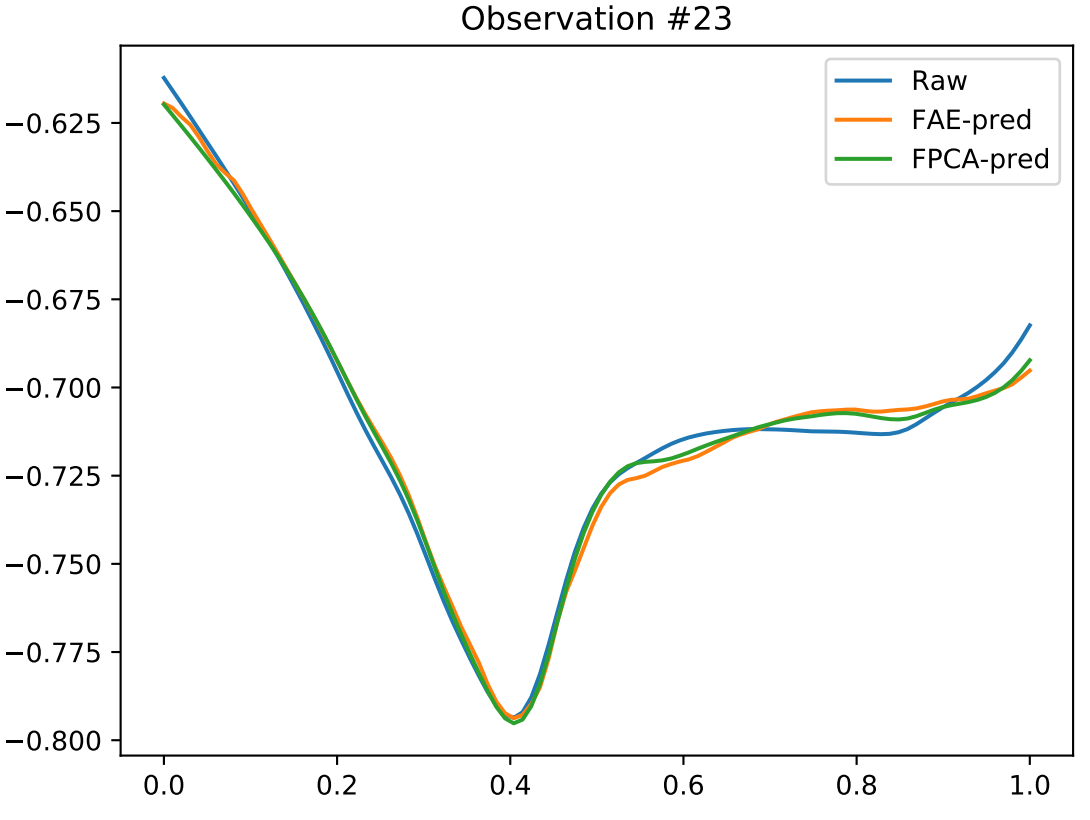

Observation #18
Raw
FAE-pred
FPCA-pred
0.1
0.0
−0.1
−0.2
−0.3
0.0
0.2
0.4
0.6
0.8
1.0

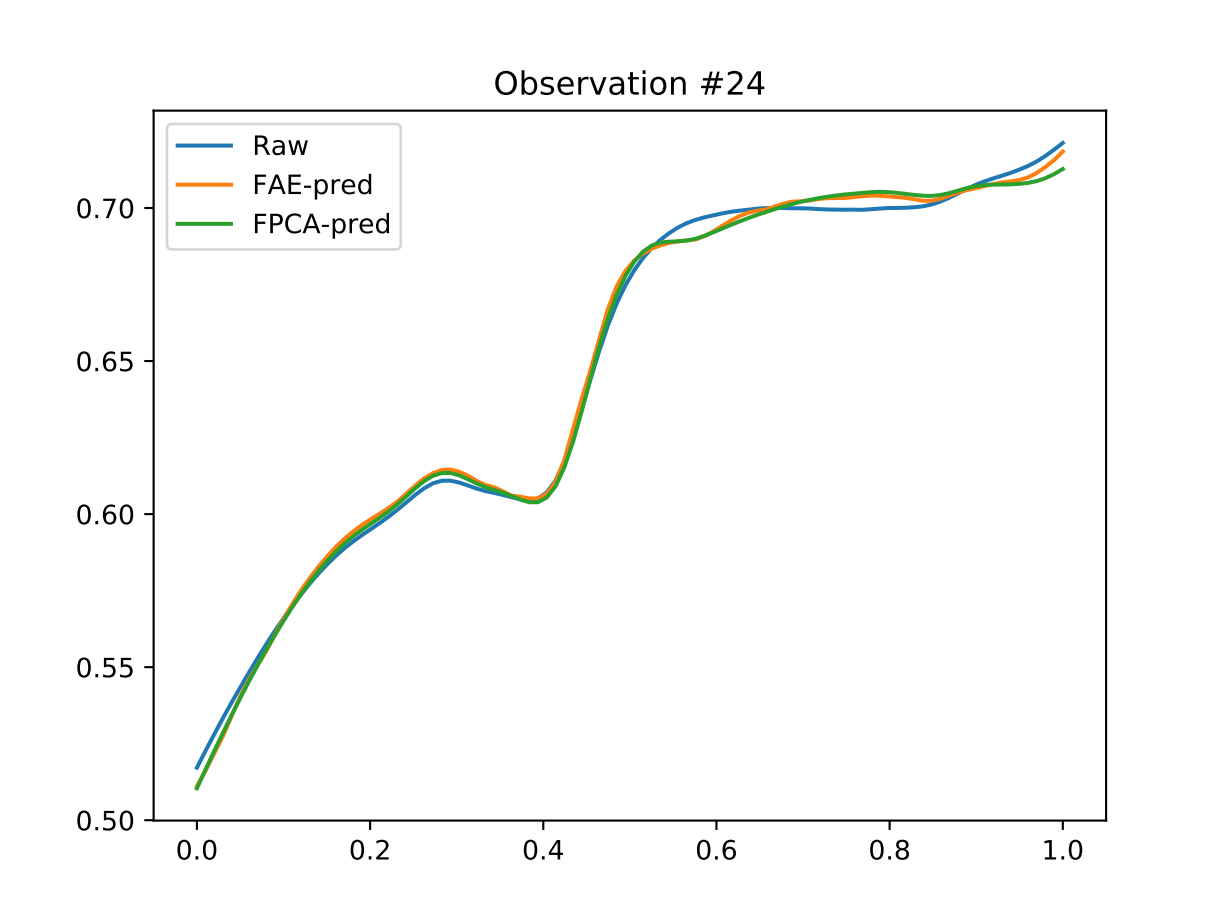

Observation #19
Raw
FAE-pred
FPCA-pred
0.15
0.10
0.05
0.00
−0.05
0.0
0.2
0.4
0.6
0.8
1.0

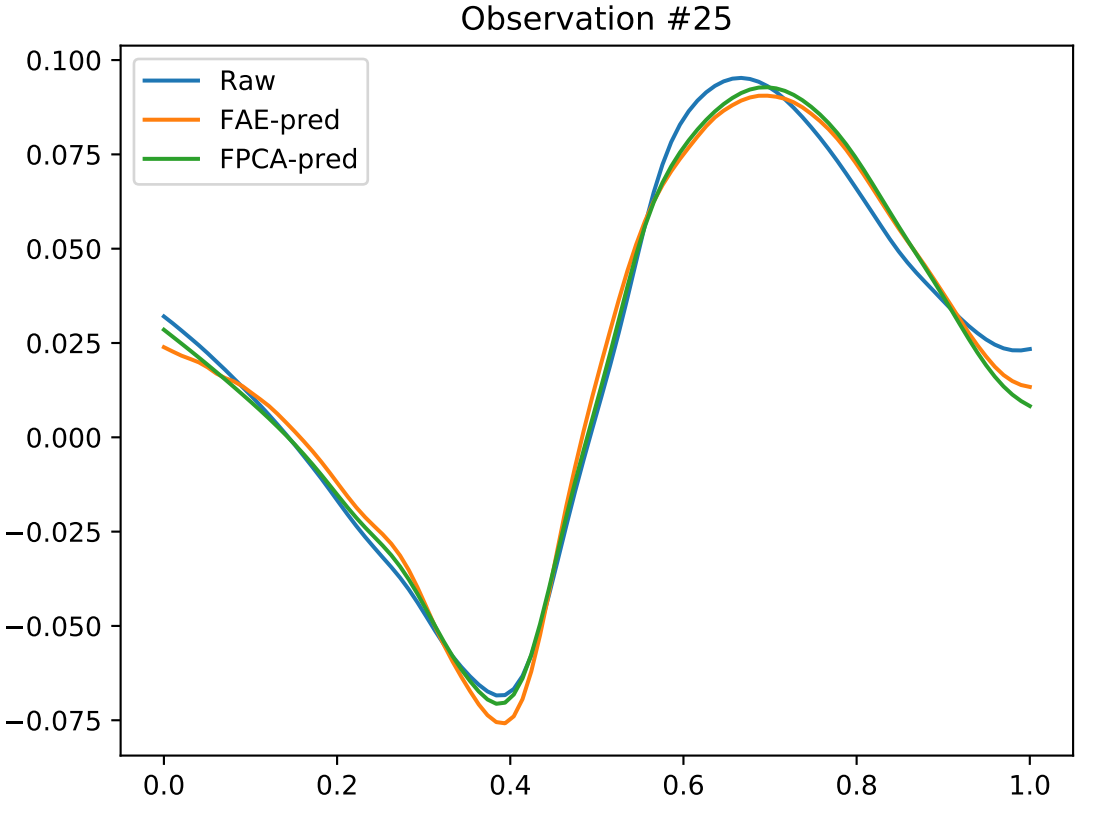

Observation #20
Raw
FAE-pred
FPCA-pred
−0.05
−0.10
−0.15
−0.20
−0.25
0.0
0.2
0.4
0.6
0.8
1.0

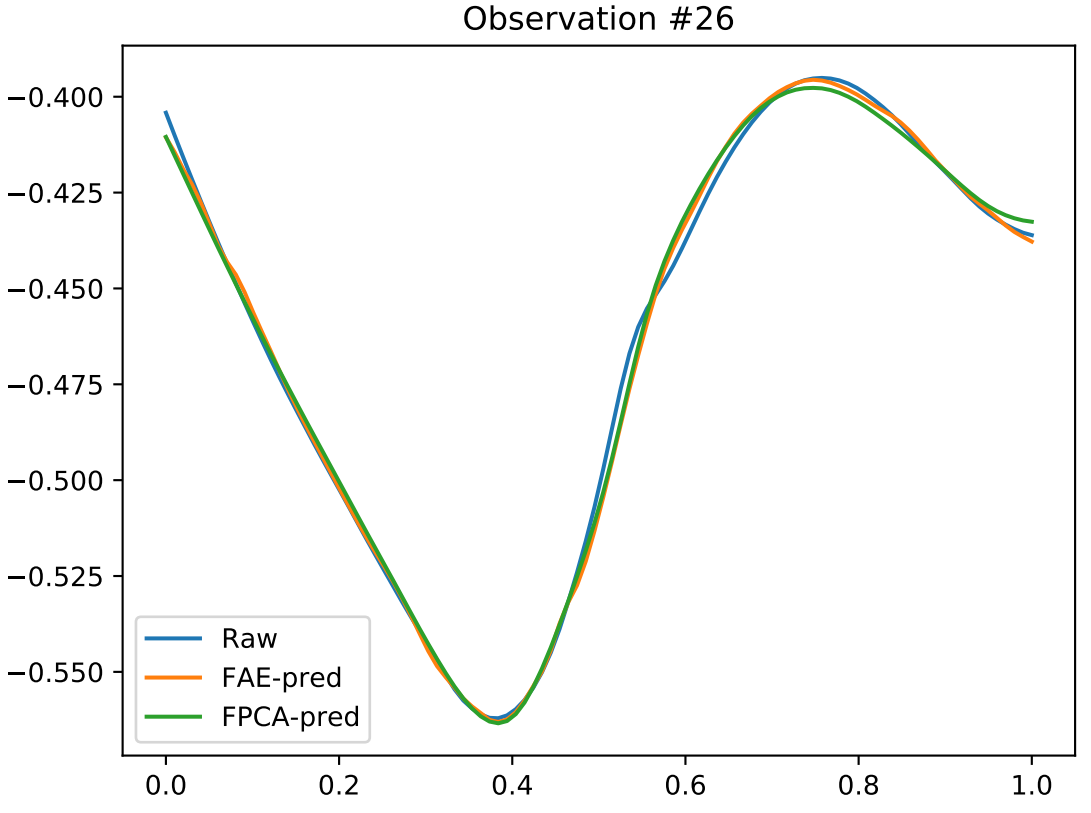

Observation #21
Raw
FAE-pred
FPCA-pred
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
0.0
0.2
0.4
0.6
0.8
1.0

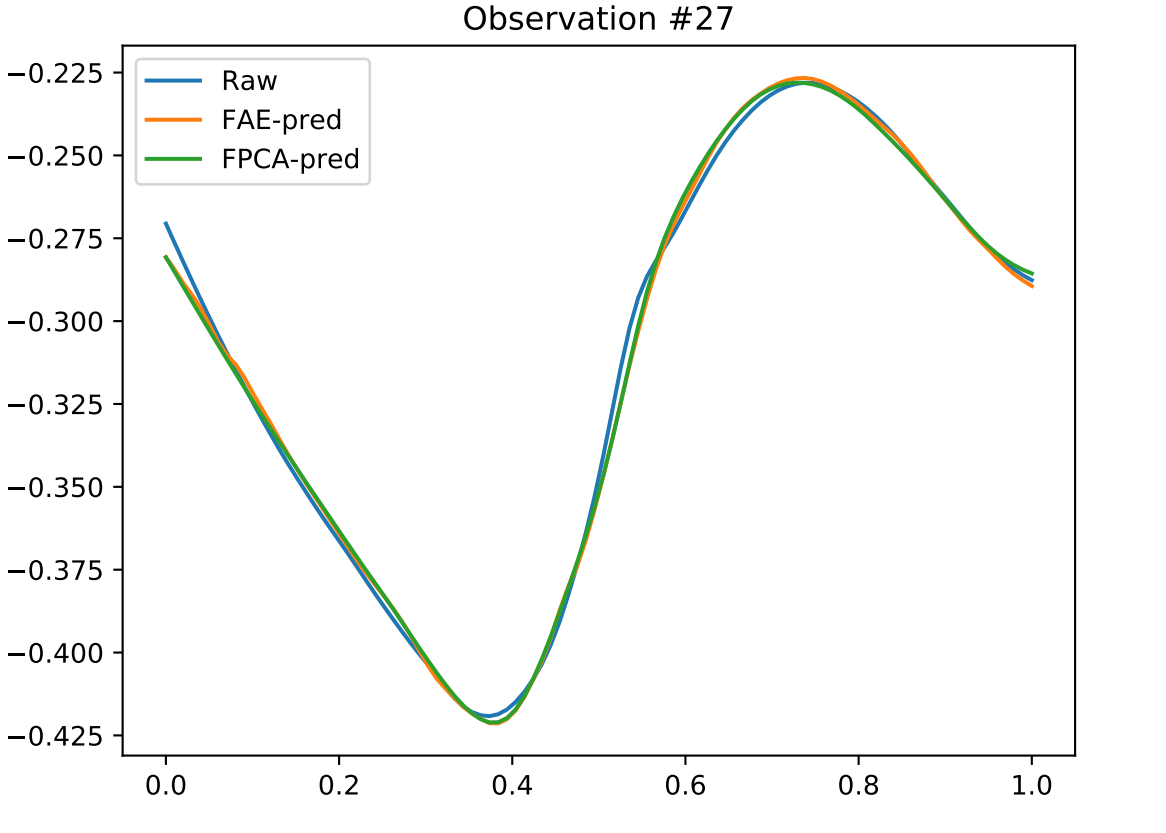

Observation #22
Raw
FAE-pred
FPCA-pred
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0.0
0.2
0.4
0.6
0.8
1.0

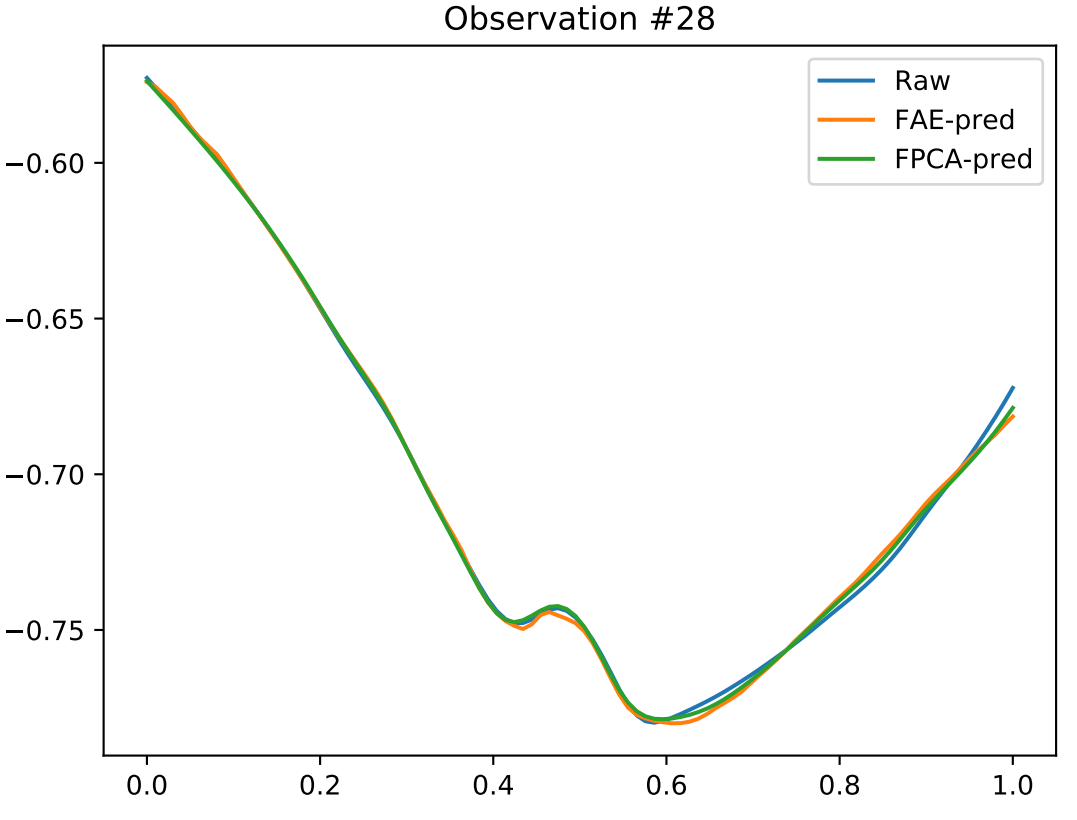

Observation #23
Raw
FAE-pred
FPCA-pred
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
−0.775
−0.800
0.0
0.2
0.4
0.6
0.8
1.0

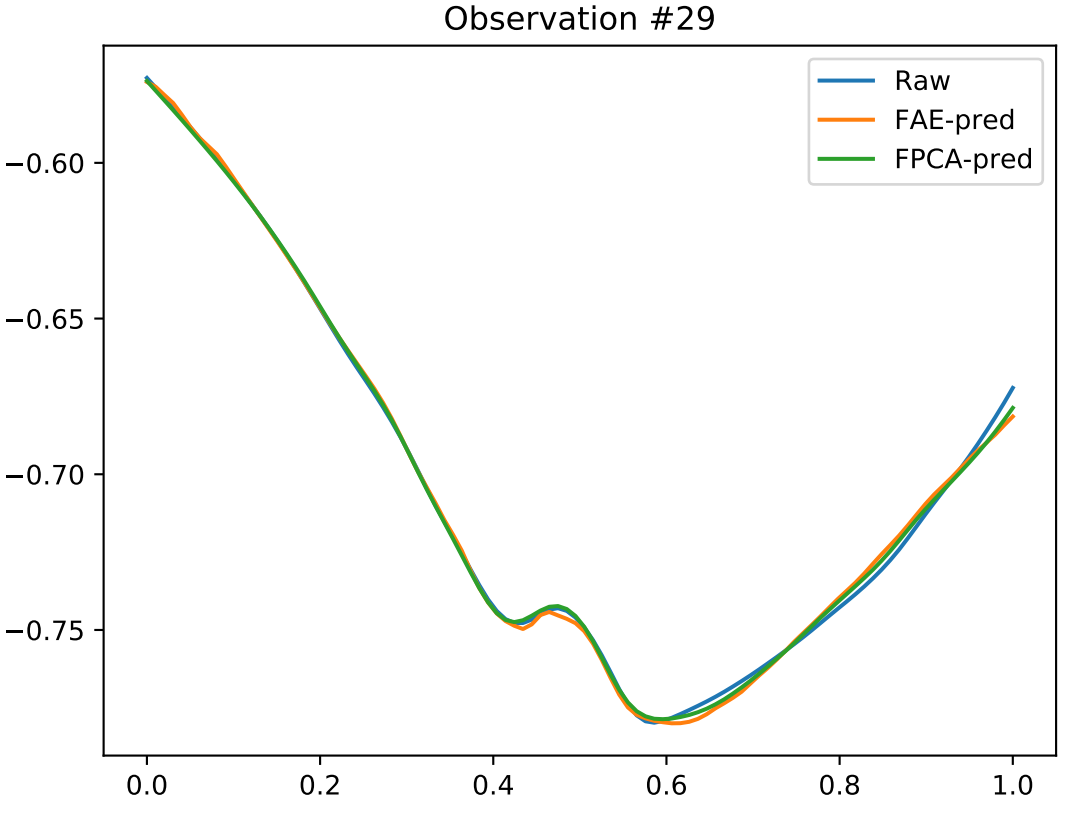

Observation #24
Raw
FAE-pred
FPCA-pred
0.70
0.65
0.60
0.55
0.50
0.0
0.2
0.4
0.6
0.8
1.0

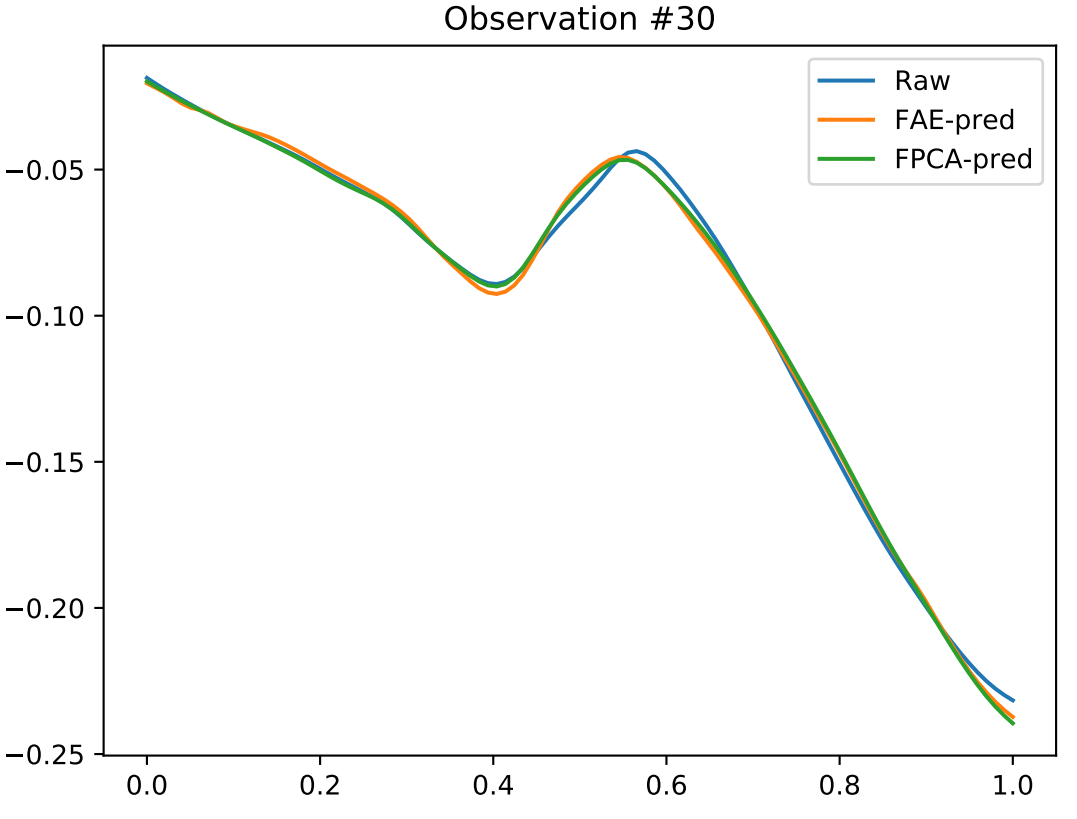

Observation #25
Raw
FAE-pred
FPCA-pred
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
0.0
0.2
0.4
0.6
0.8
1.0

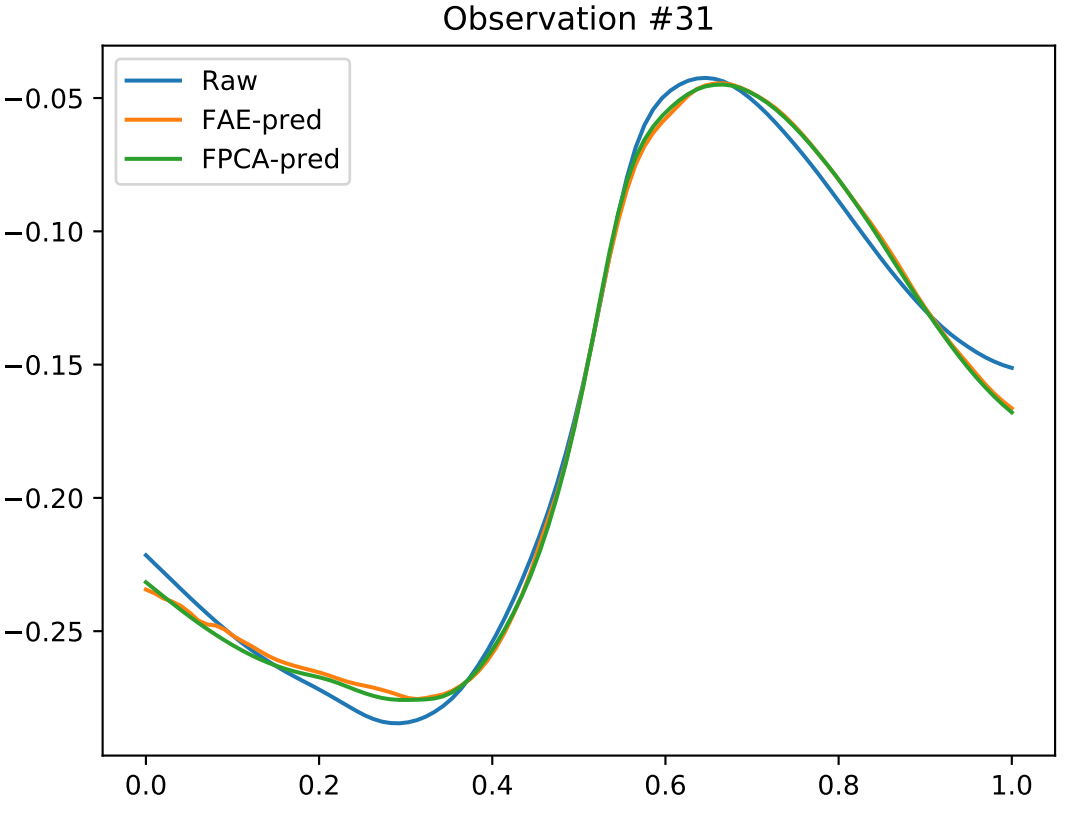

Observation #26
−0.400
−0.425
−0.450
−0.475
−0.500
−0.525
−0.550
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

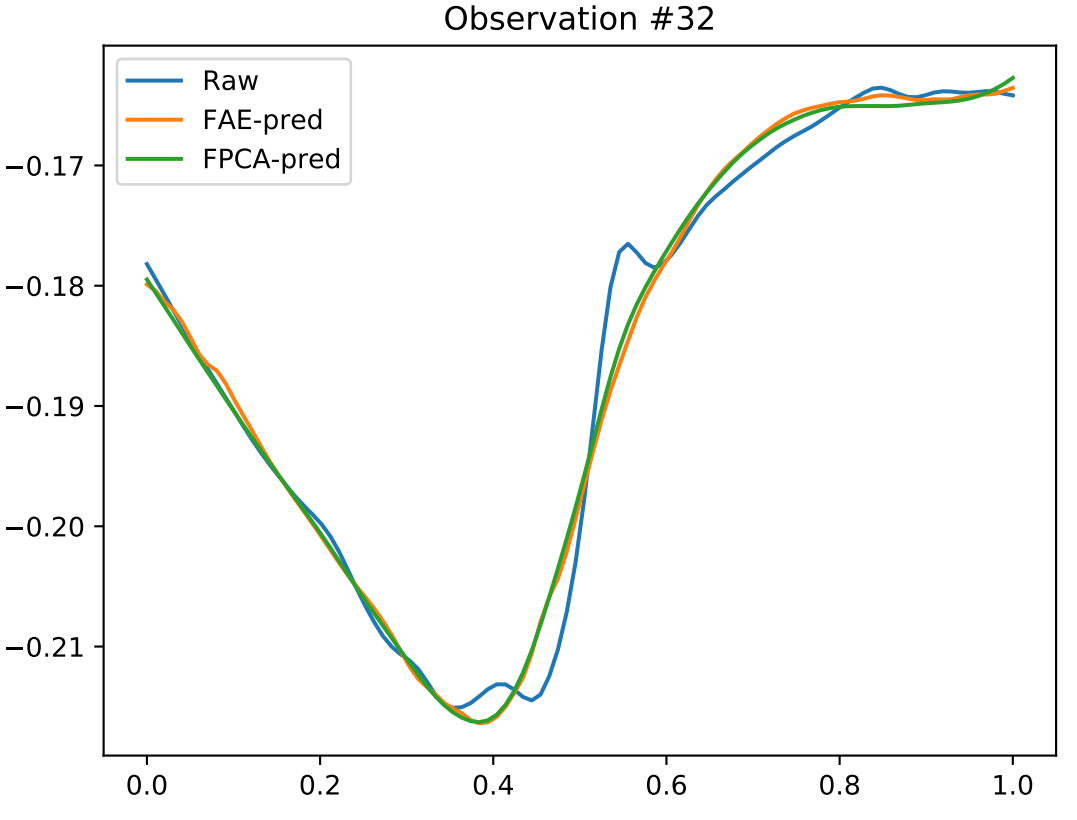

Observation #27
Raw
FAE-pred
FPCA-pred
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
−0.400
−0.425
0.0
0.2
0.4
0.6
0.8
1.0

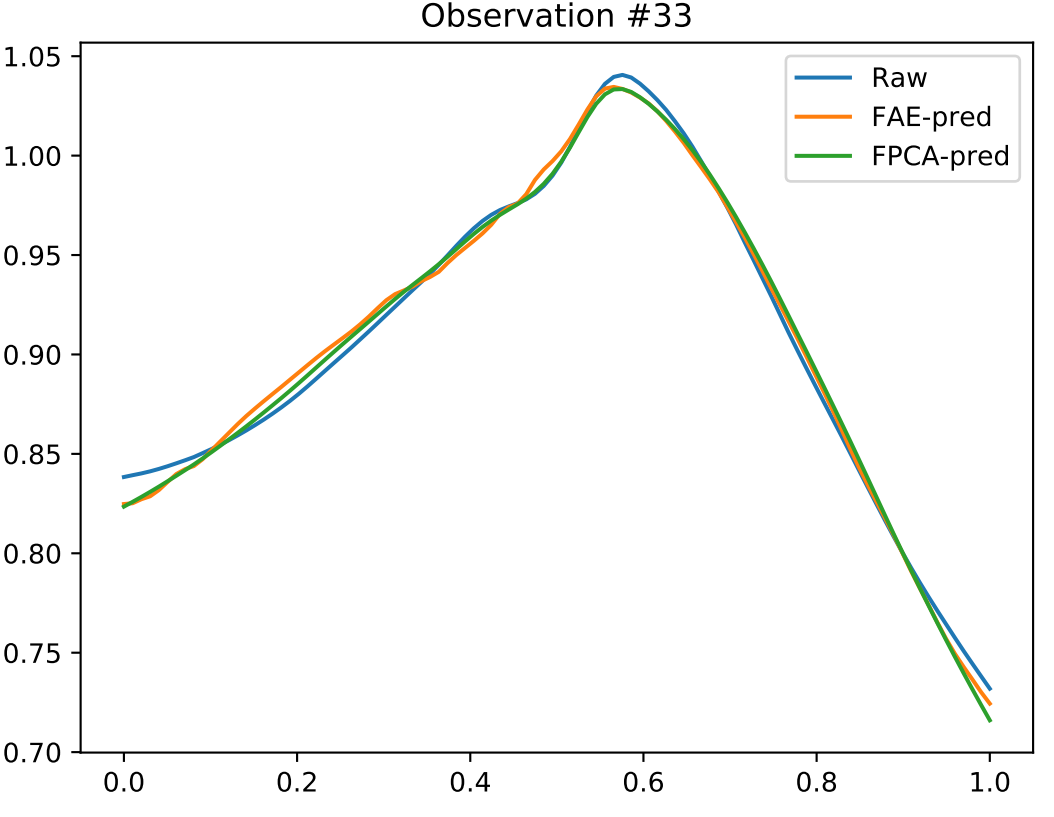

Observation #28
Raw
FAE-pred
FPCA-pred
−0.60
−0.65
−0.70
−0.75
0.0
0.2
0.4
0.6
0.8
1.0

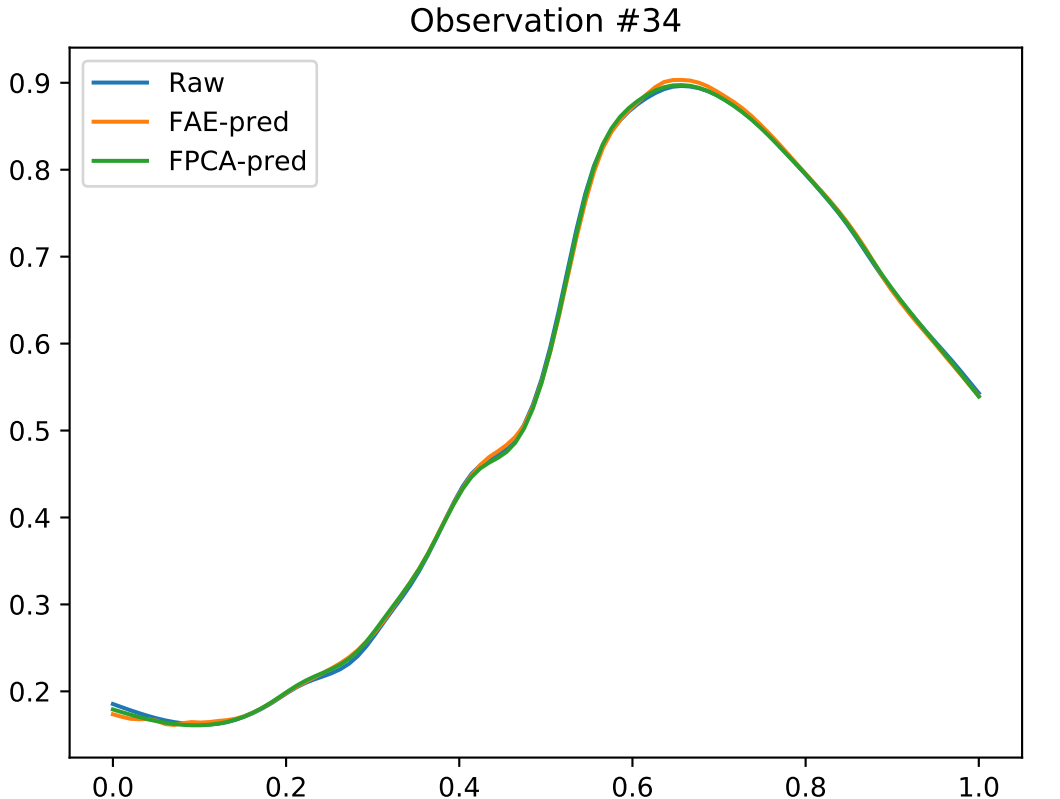

Observation #29
Raw
FAE-pred
FPCA-pred
−0.60
−0.65
−0.70
−0.75
0.0
0.2
0.4
0.6
0.8
1.0

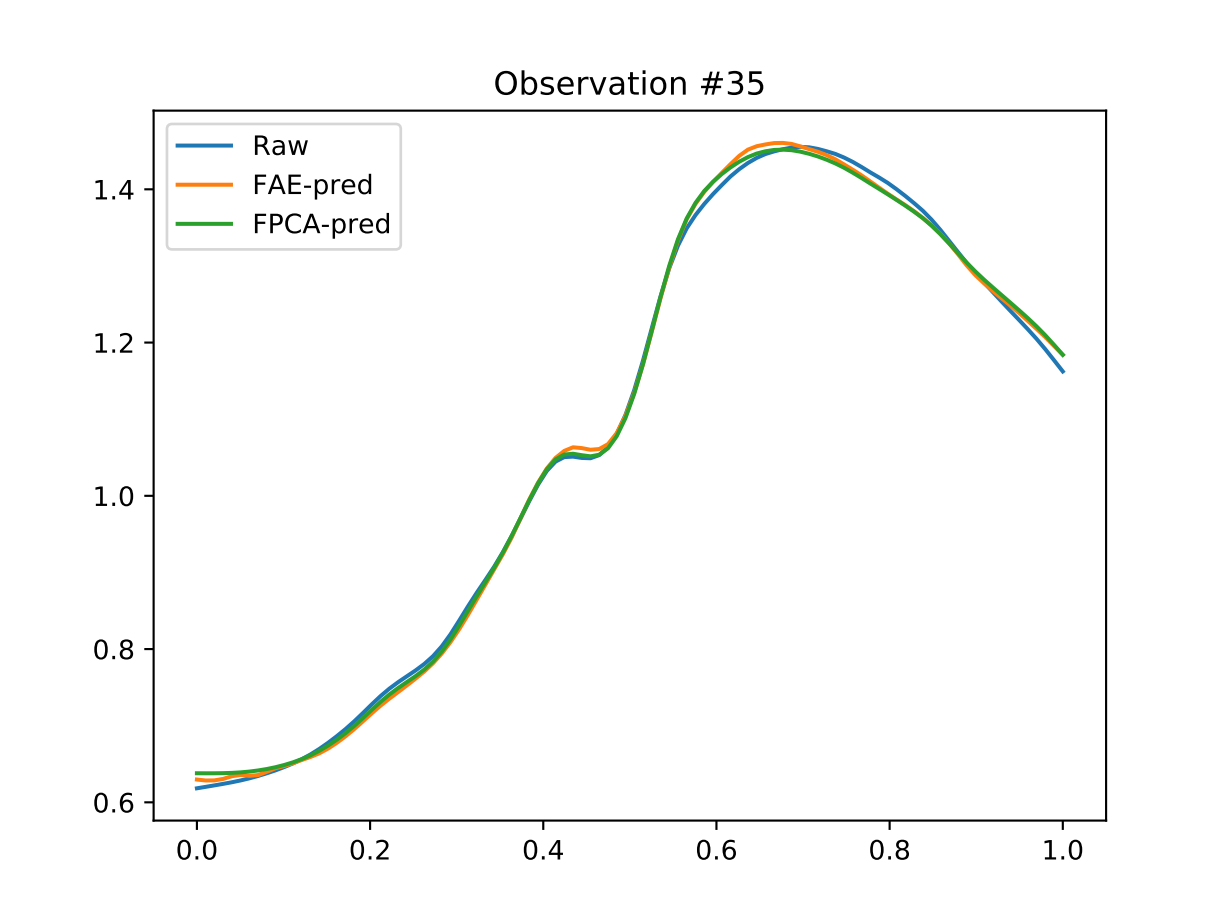

Observation #30
Raw
FAE-pred
FPCA-pred
−0.05
−0.10
−0.15
−0.20
−0.25
0.0
0.2
0.4
0.6
0.8
1.0

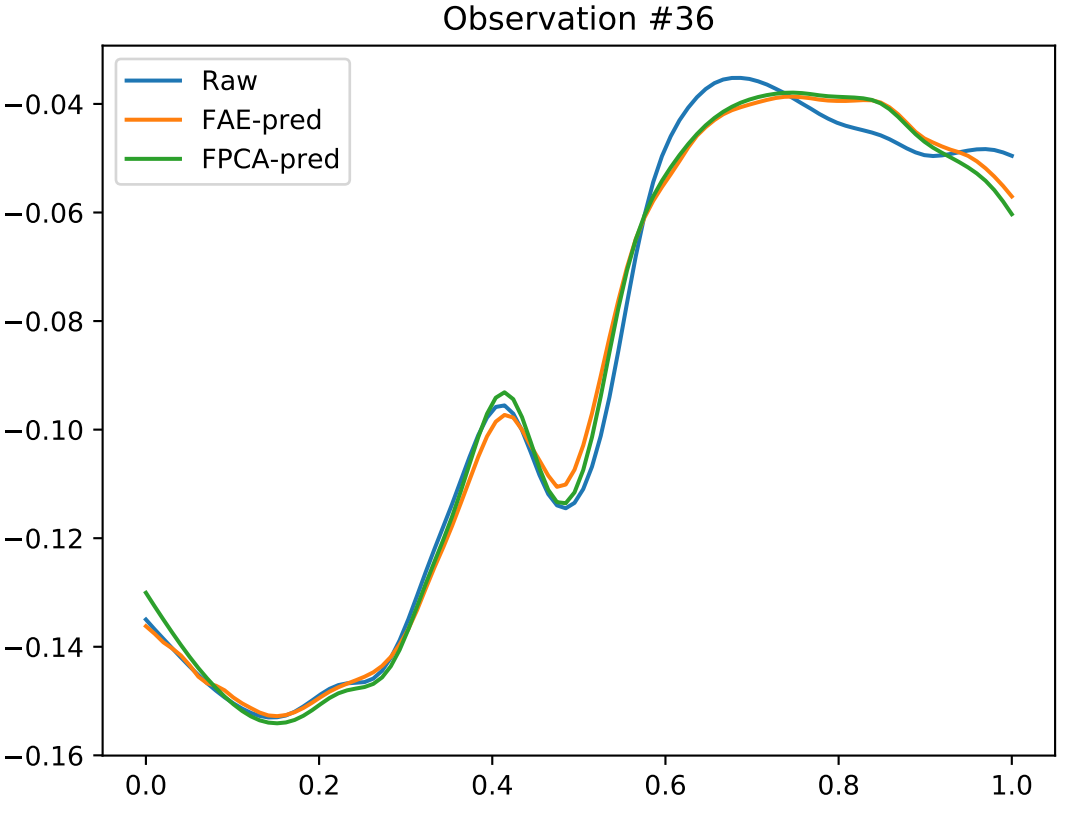

Observation #31
Raw
FAE-pred
FPCA-pred
−0.05
−0.10
−0.15
−0.20
−0.25
0.0
0.2
0.4
0.6
0.8
1.0

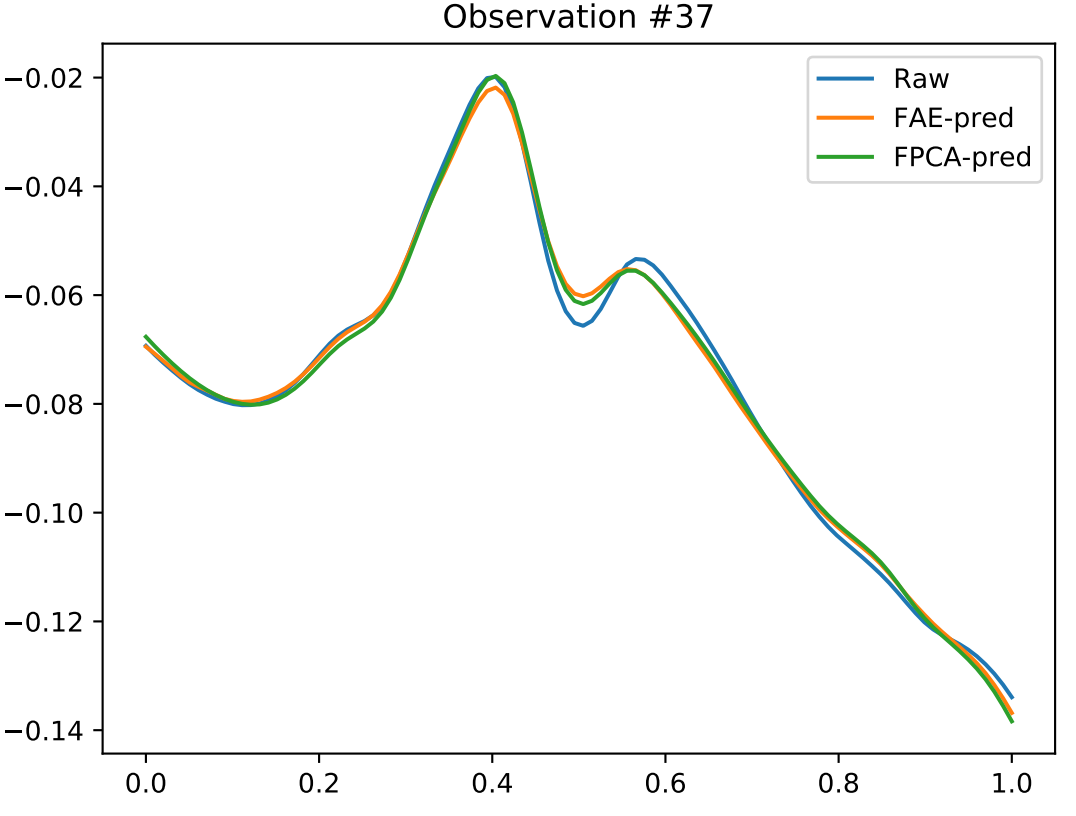

Observation #32
Raw
FAE-pred
FPCA-pred
−0.17
−0.18
−0.19
−0.20
−0.21
0.0
0.2
0.4
0.6
0.8
1.0

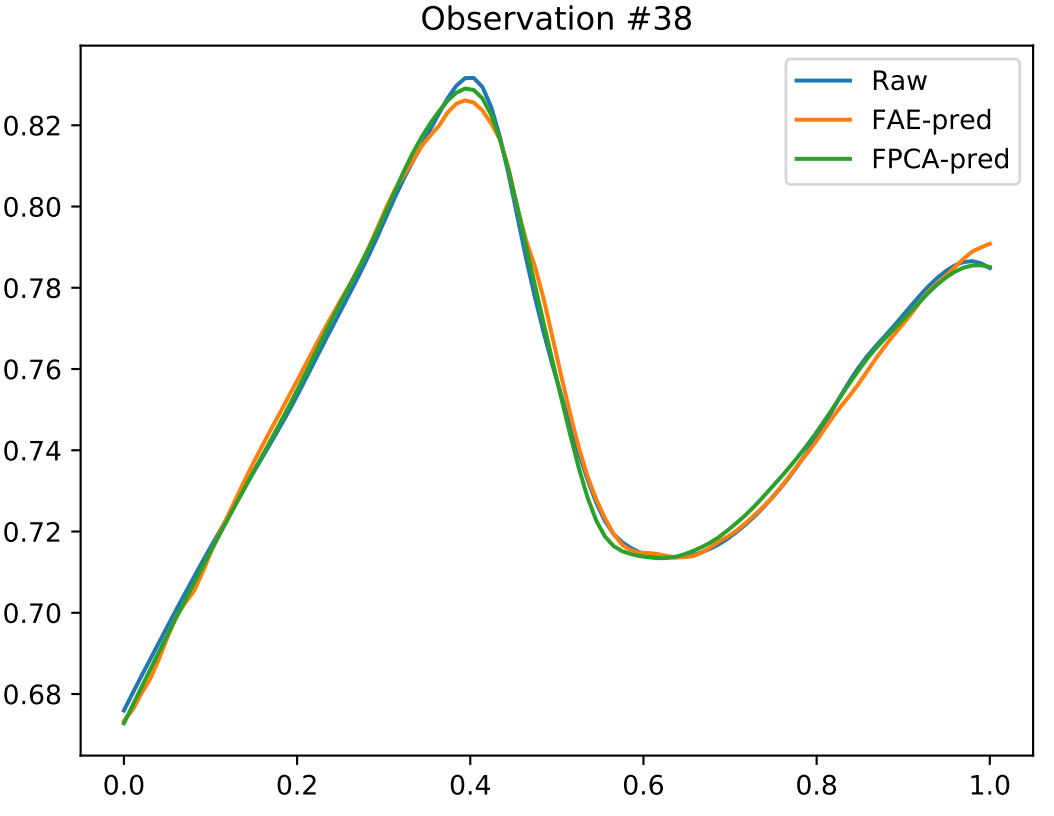

Observation #33
Raw
FAE-pred
FPCA-pred
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.0
0.2
0.4
0.6
0.8
1.0

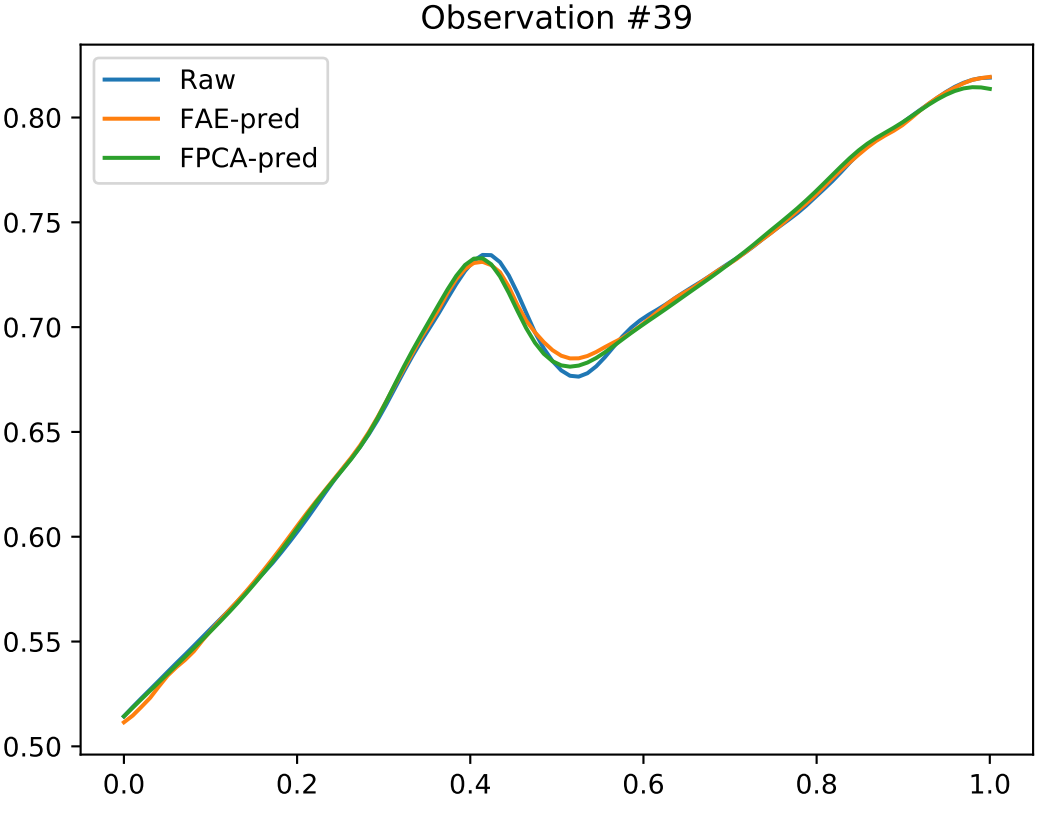

Observation #34
Raw
FAE-pred
FPCA-pred
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.0
0.2
0.4
0.6
0.8
1.0

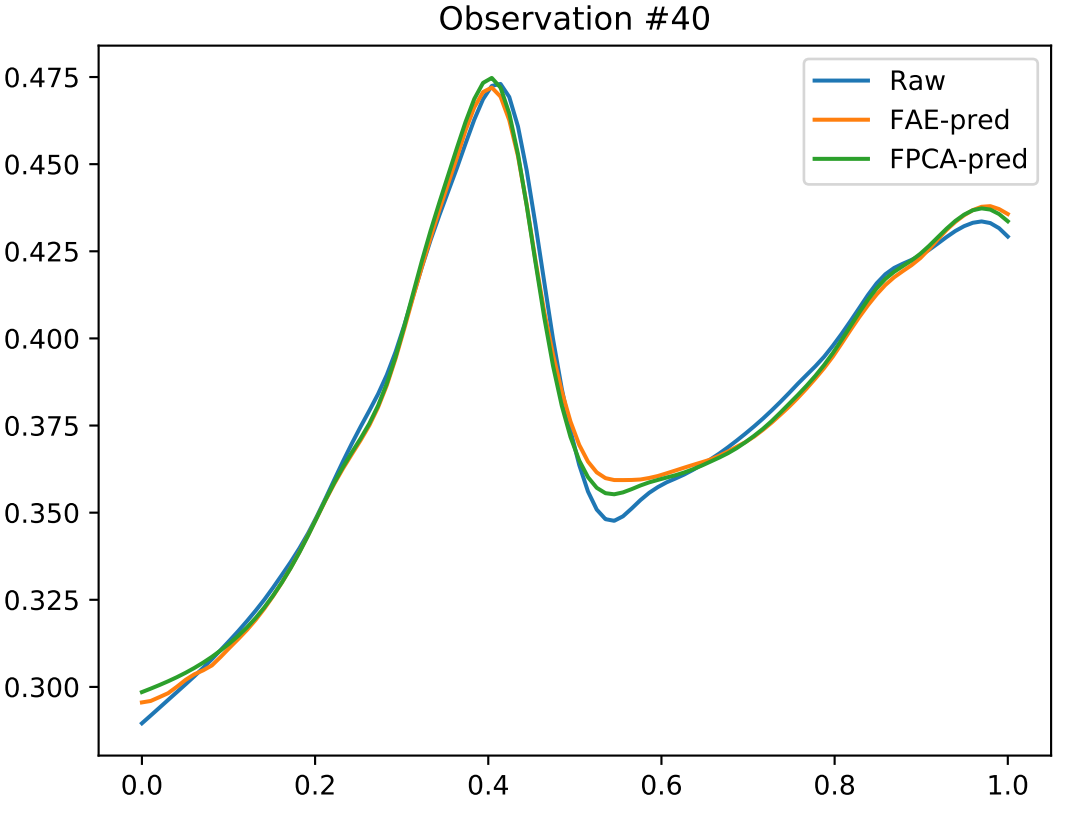

Observation #35
Raw
FAE-pred
FPCA-pred
1.4
1.2
1.0
0.8
0.6
0.0
0.2
0.4
0.6
0.8
1.0

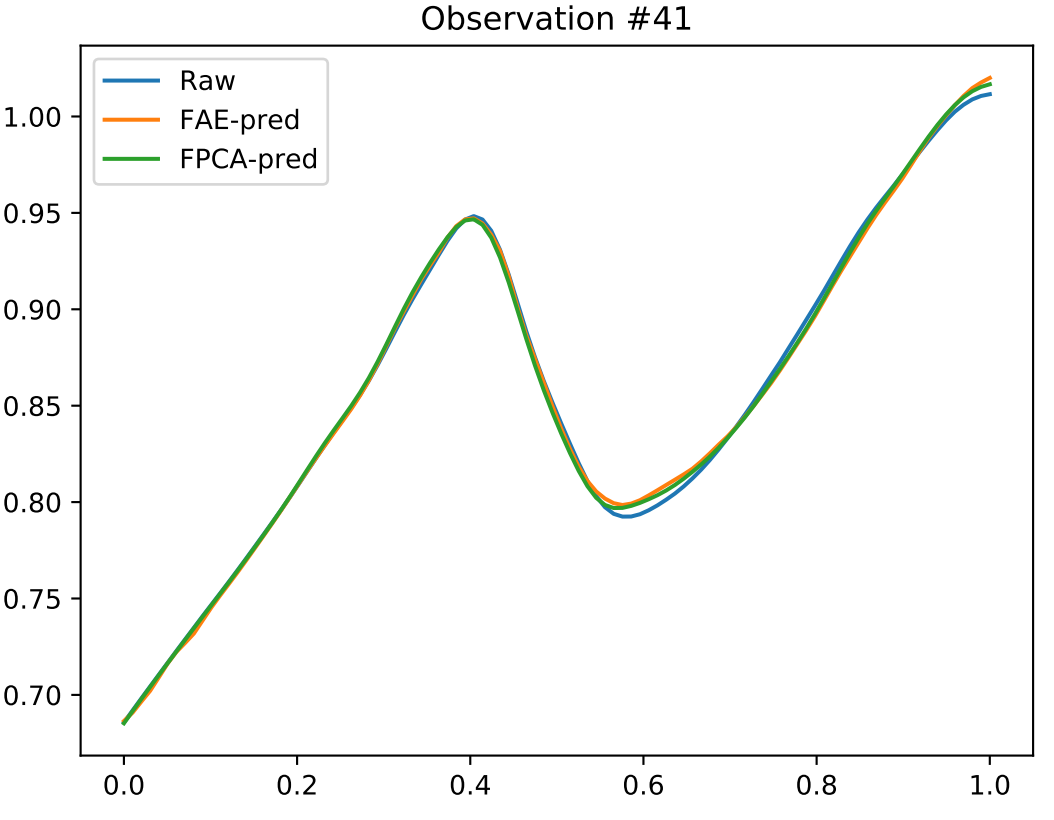

Observation #36
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
0.0
0.2
0.4
0.6
0.8
1.0

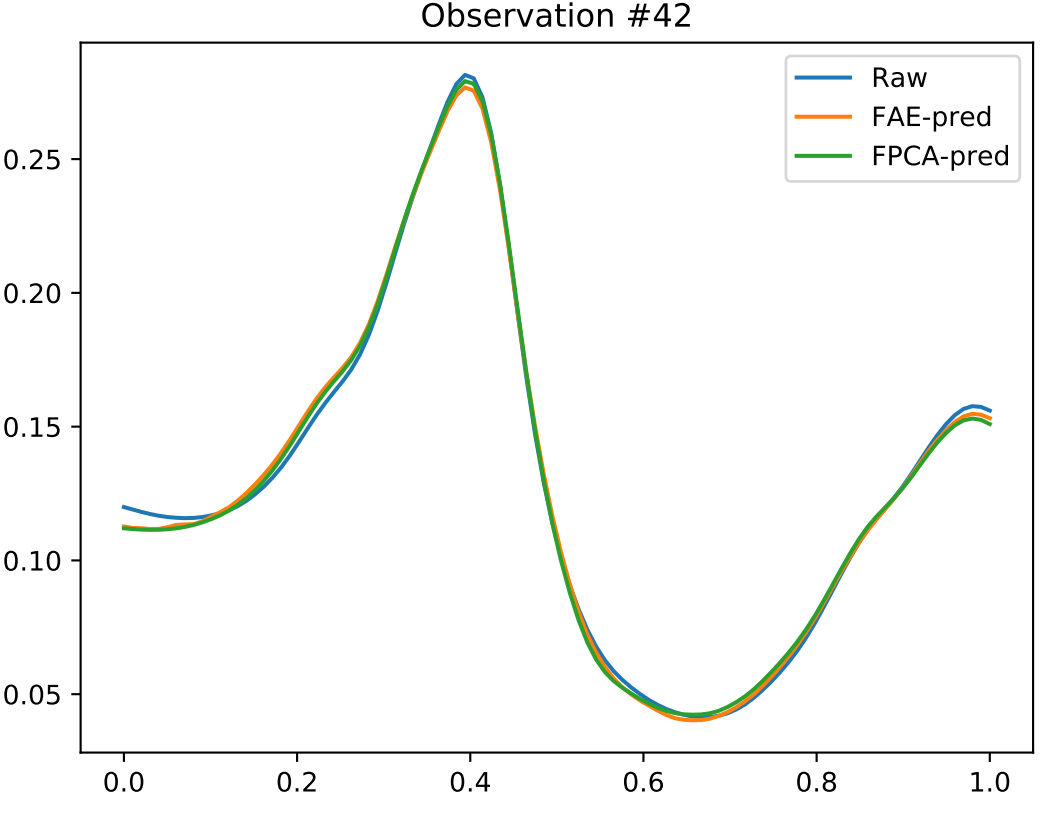

Observation #37
Raw
FAE-pred
FPCA-pred
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
0.0
0.2
0.4
0.6
0.8
1.0

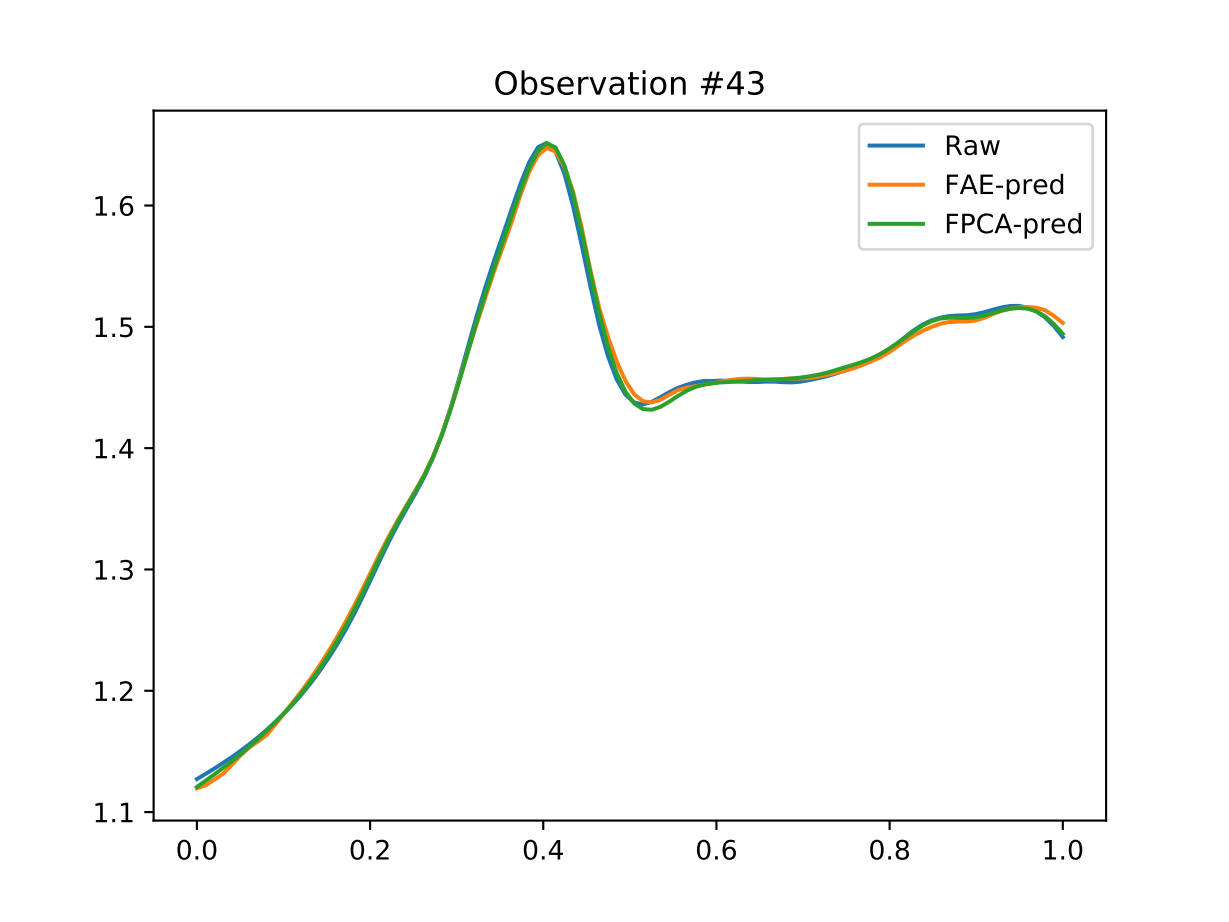

Observation #38
Raw
FAE-pred
FPCA-pred
0.82
0.80
0.78
0.76
0.74
0.72
0.70
0.68
0.0
0.2
0.4
0.6
0.8
1.0

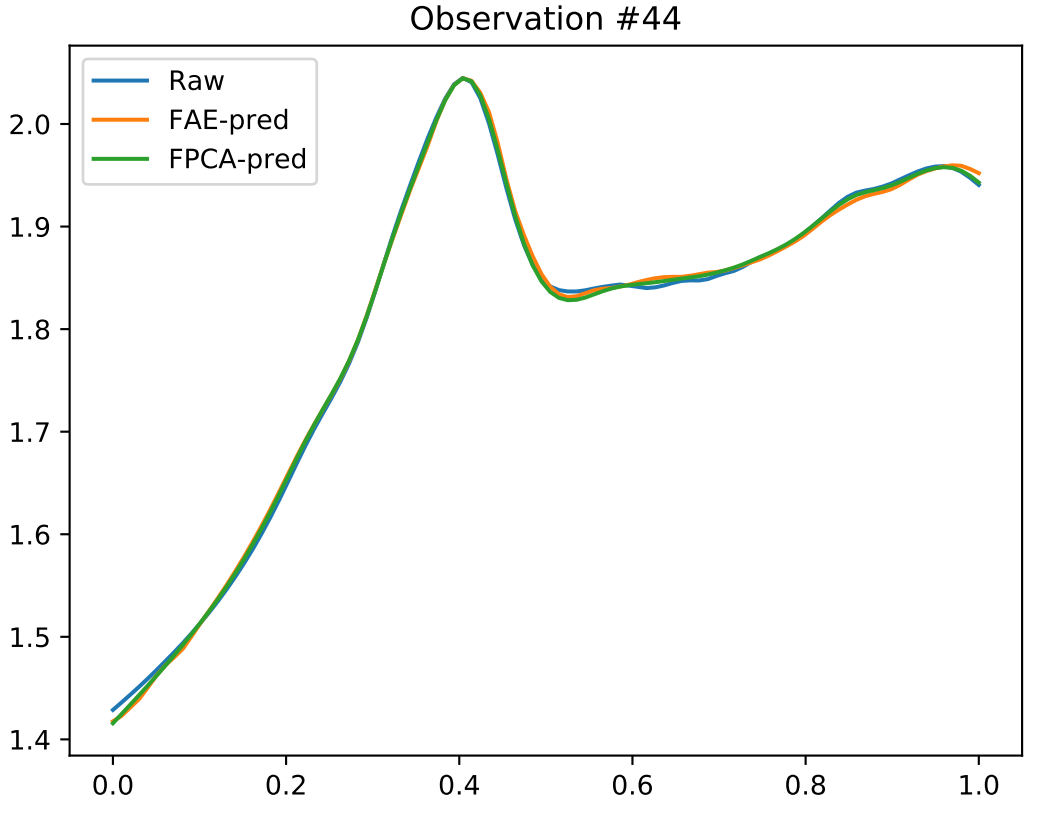

Observation #39
Raw
FAE-pred
FPCA-pred
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.0
0.2
0.4
0.6
0.8
1.0

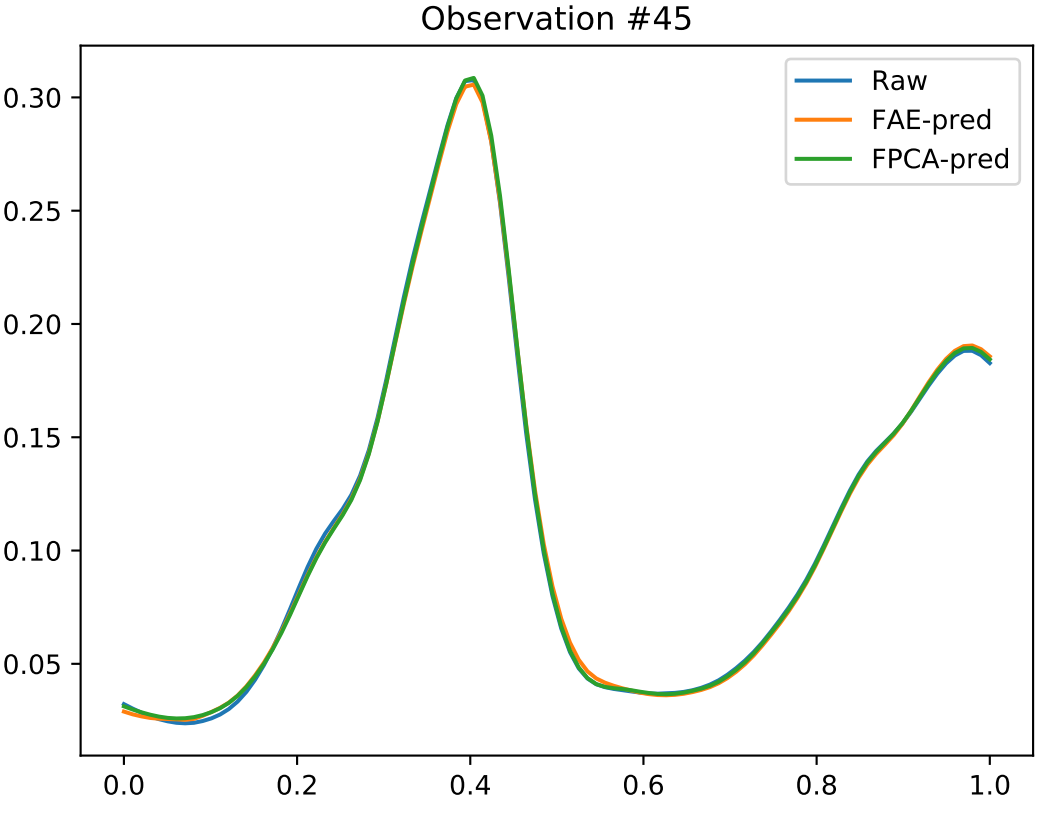

Observation #40
Raw
FAE-pred
FPCA-pred
0.475
0.450
0.425
0.400
0.375
0.350
0.325
0.300
0.0
0.2
0.4
0.6
0.8
1.0

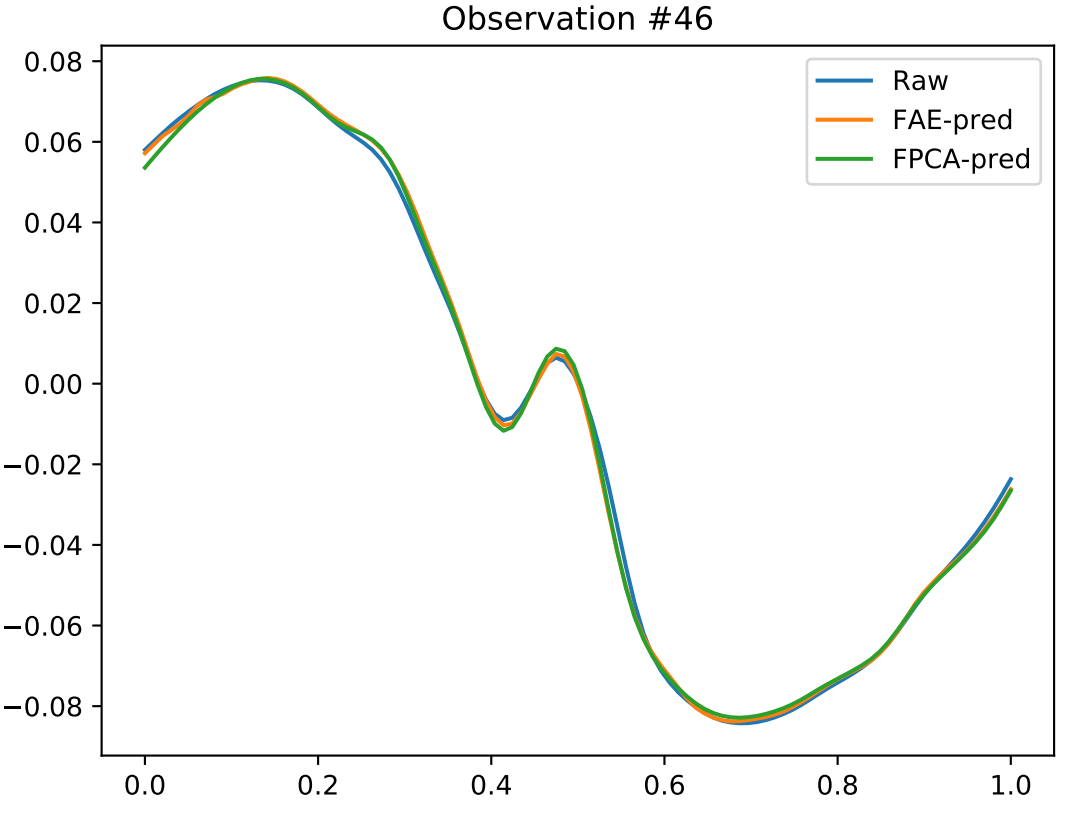

Observation #41
Raw
FAE-pred
FPCA-pred
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.0
0.2
0.4
0.6
0.8
1.0

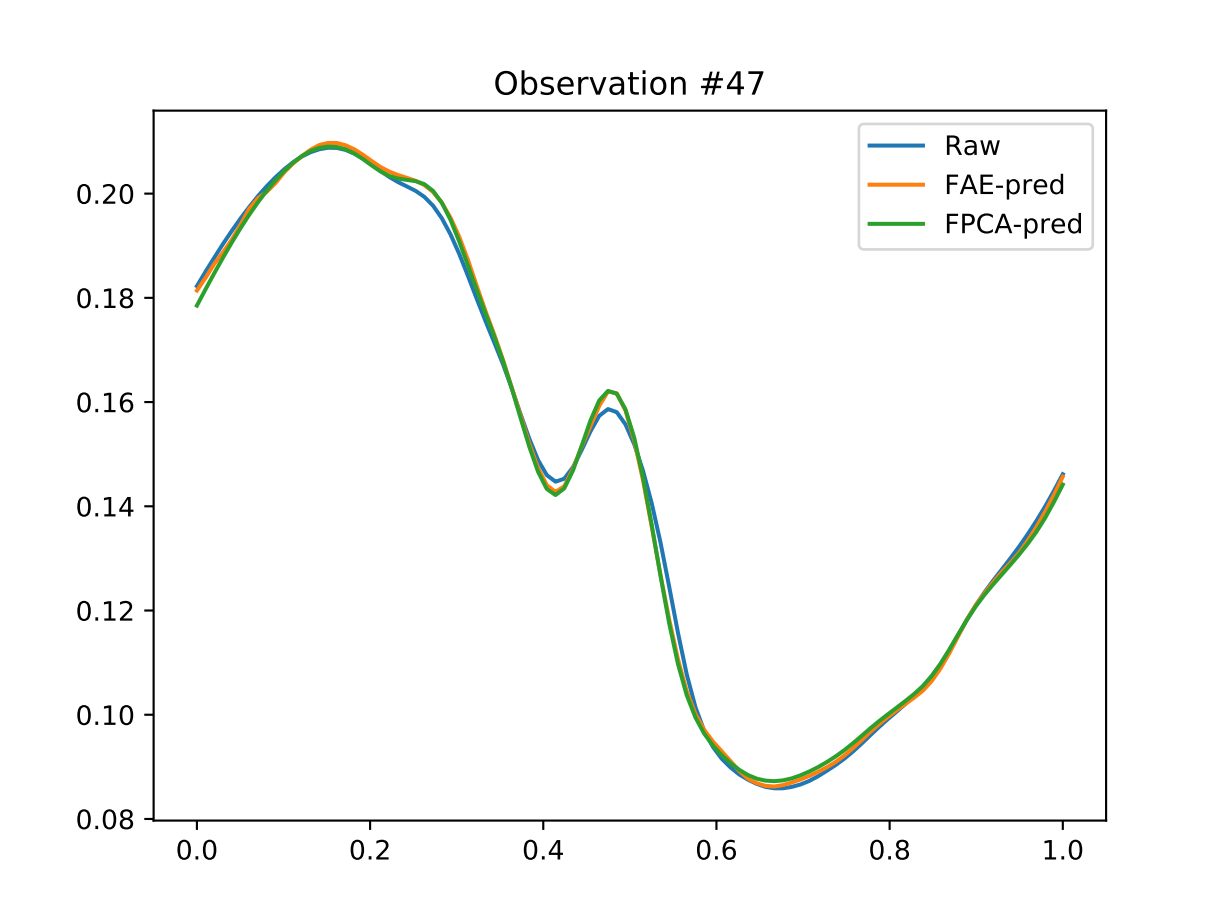

Observation #42
Raw
FAE-pred
FPCA-pred
0.25
0.20
0.15
0.10
0.05
0.0
0.2
0.4
0.6
0.8
1.0

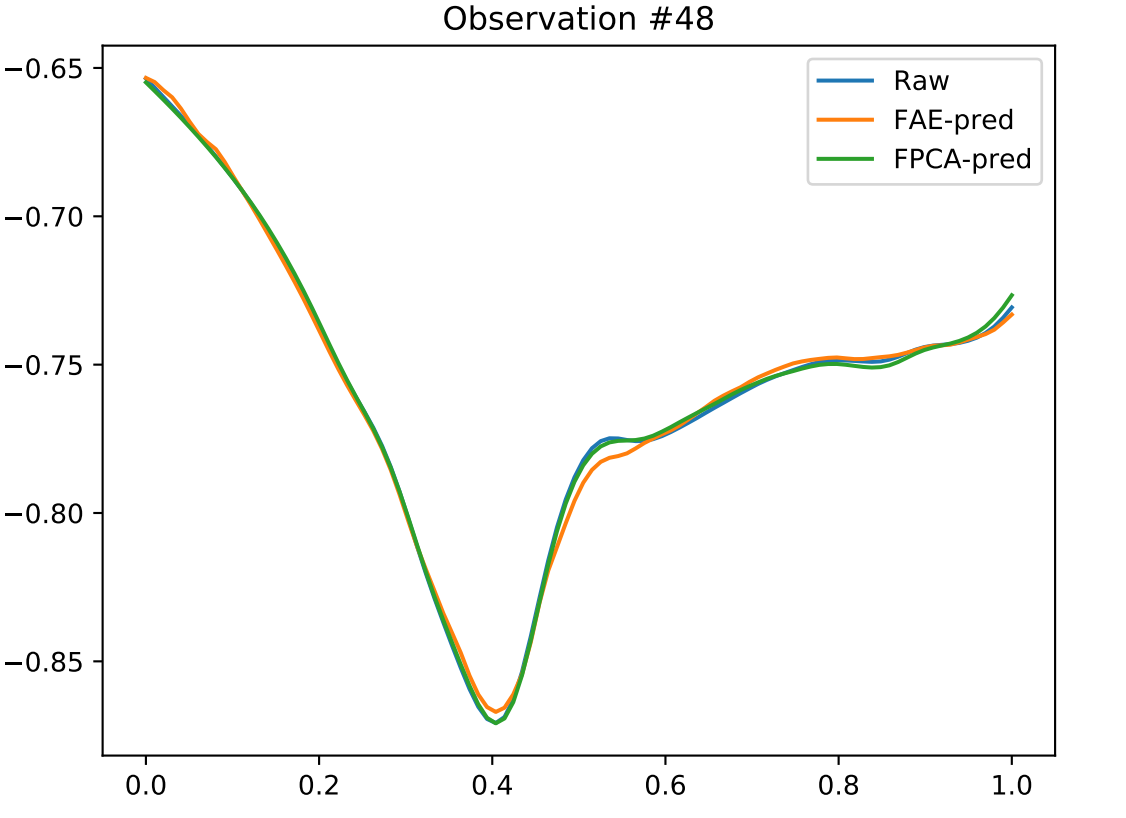

Observation #43
Raw
FAE-pred
FPCA-pred
1.6
1.5
1.4
1.3
1.2
1.1
0.0
0.2
0.4
0.6
0.8
1.0

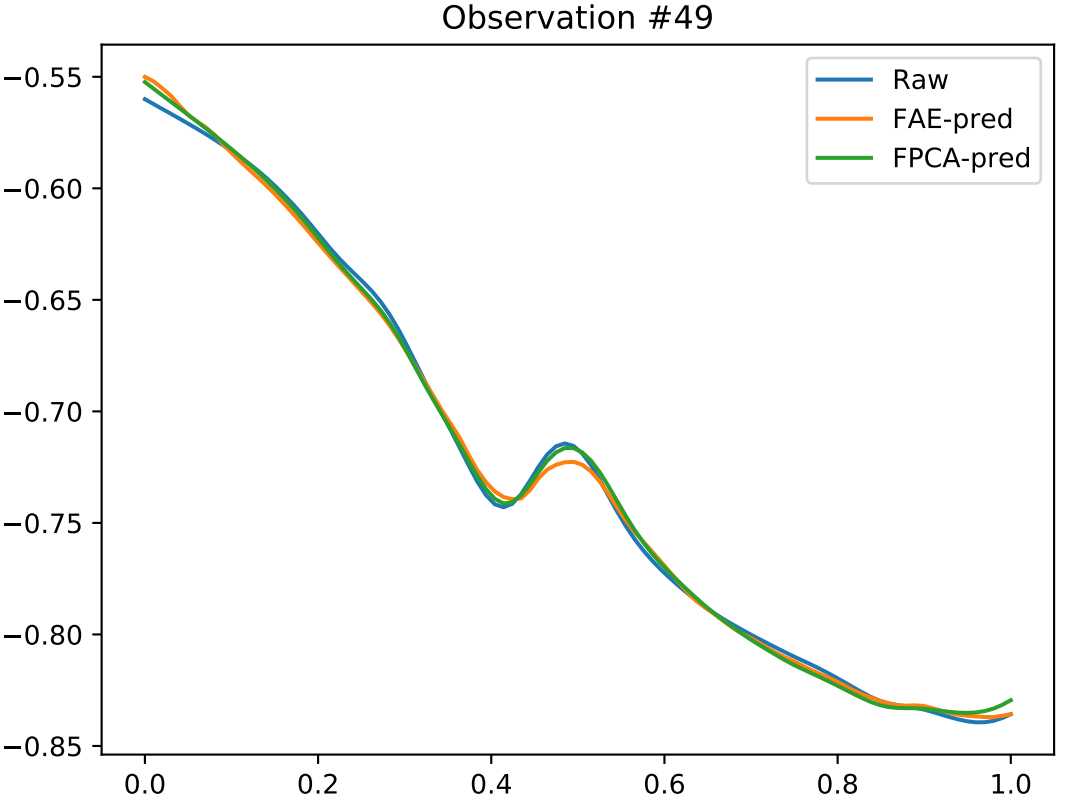

Observation #44
Raw
FAE-pred
FPCA-pred
2.0
1.9
1.8
1.7
1.6
1.5
1.4
0.0
0.2
0.4
0.6
0.8
1.0

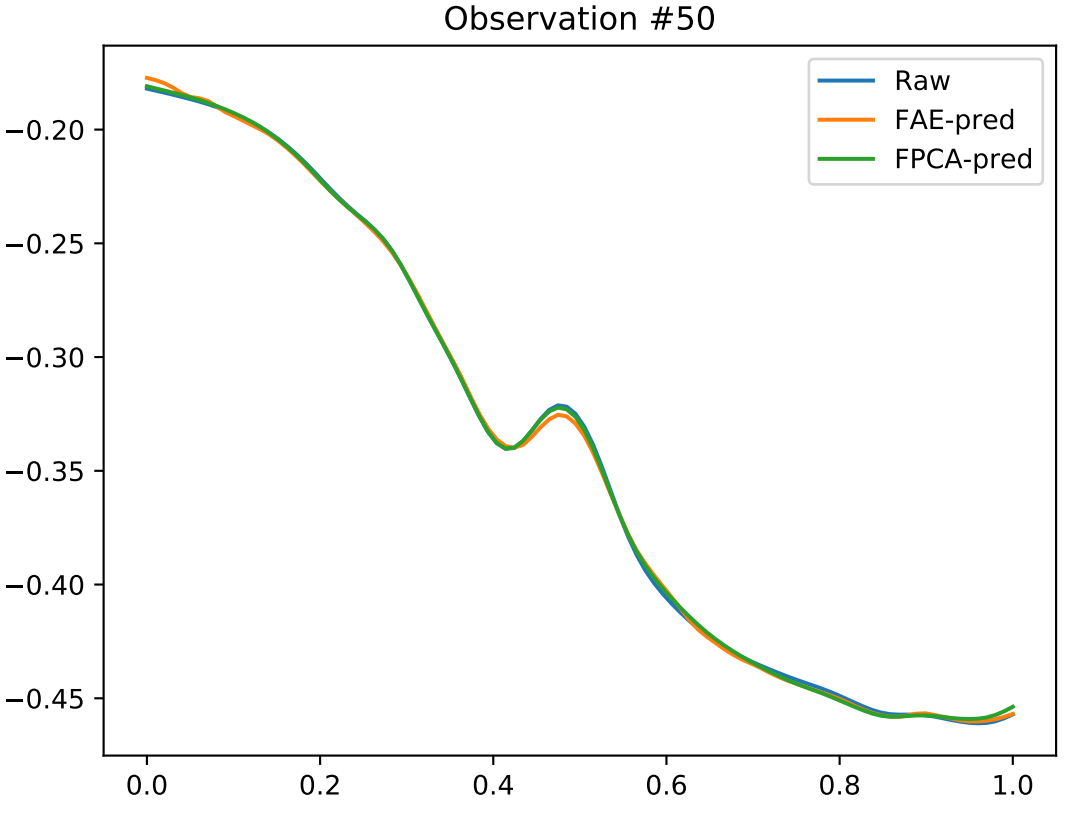

Observation #45
Raw
FAE-pred
FPCA-pred
0.30
0.25
0.20
0.15
0.10
0.05
0.0
0.2
0.4
0.6
0.8
1.0

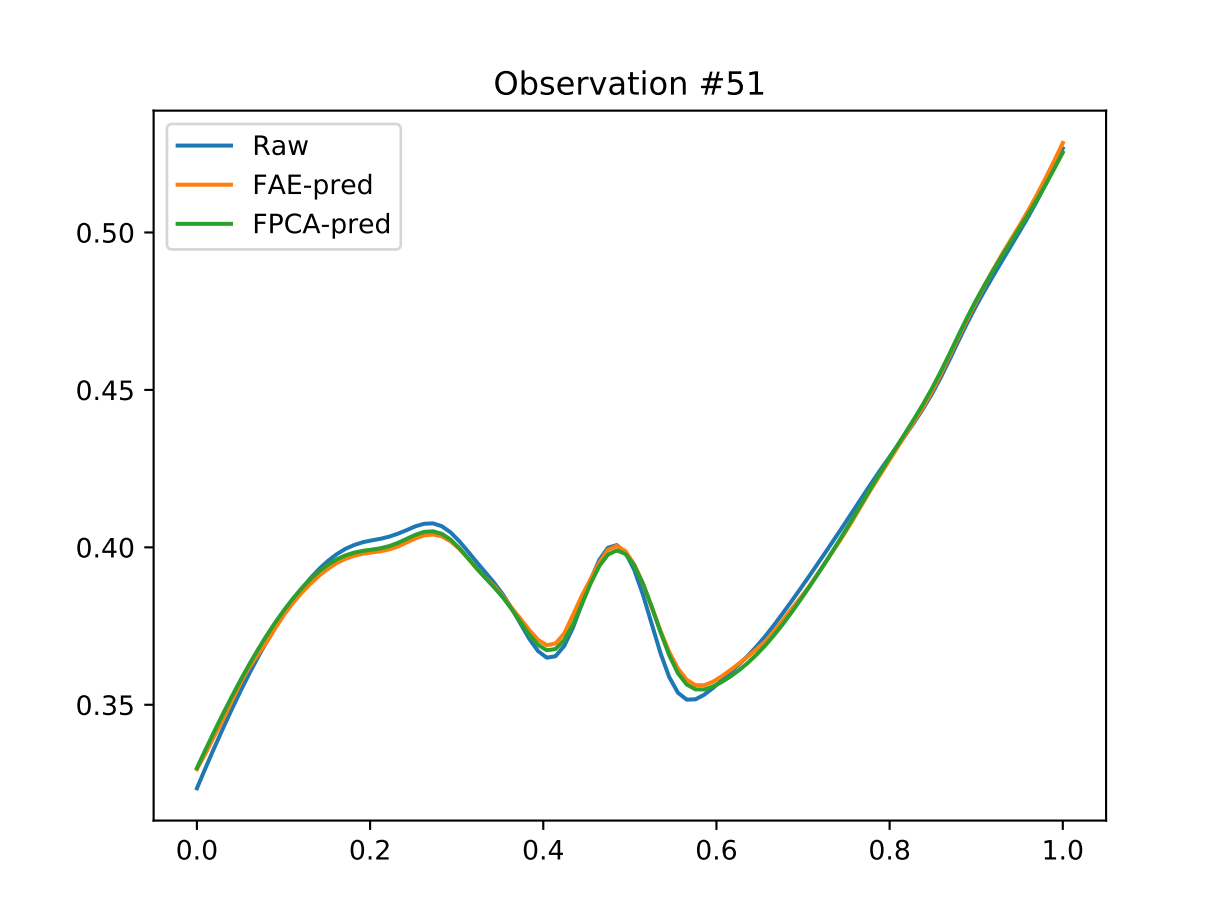

Observation #46
Raw
FAE-pred
FPCA-pred
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0.0
0.2
0.4
0.6
0.8
1.0

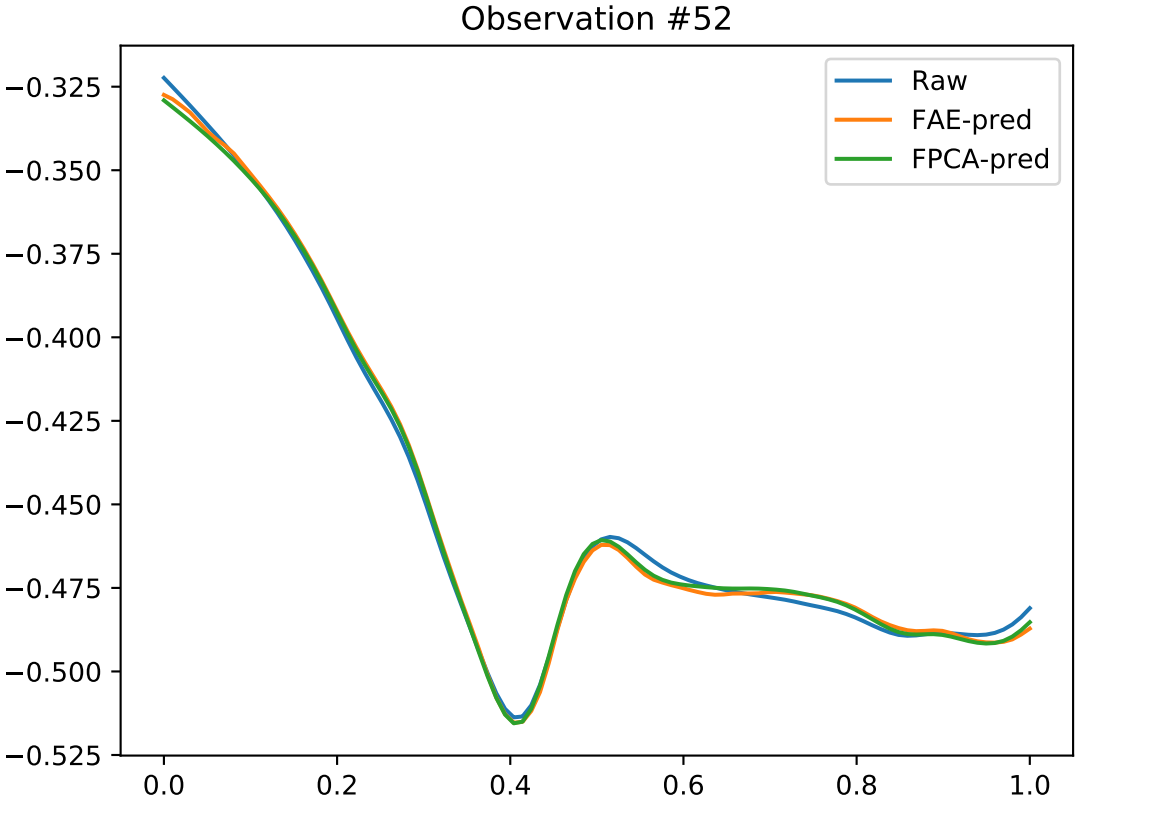

Observation #47
Raw
FAE-pred
FPCA-pred
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.0
0.2
0.4
0.6
0.8
1.0

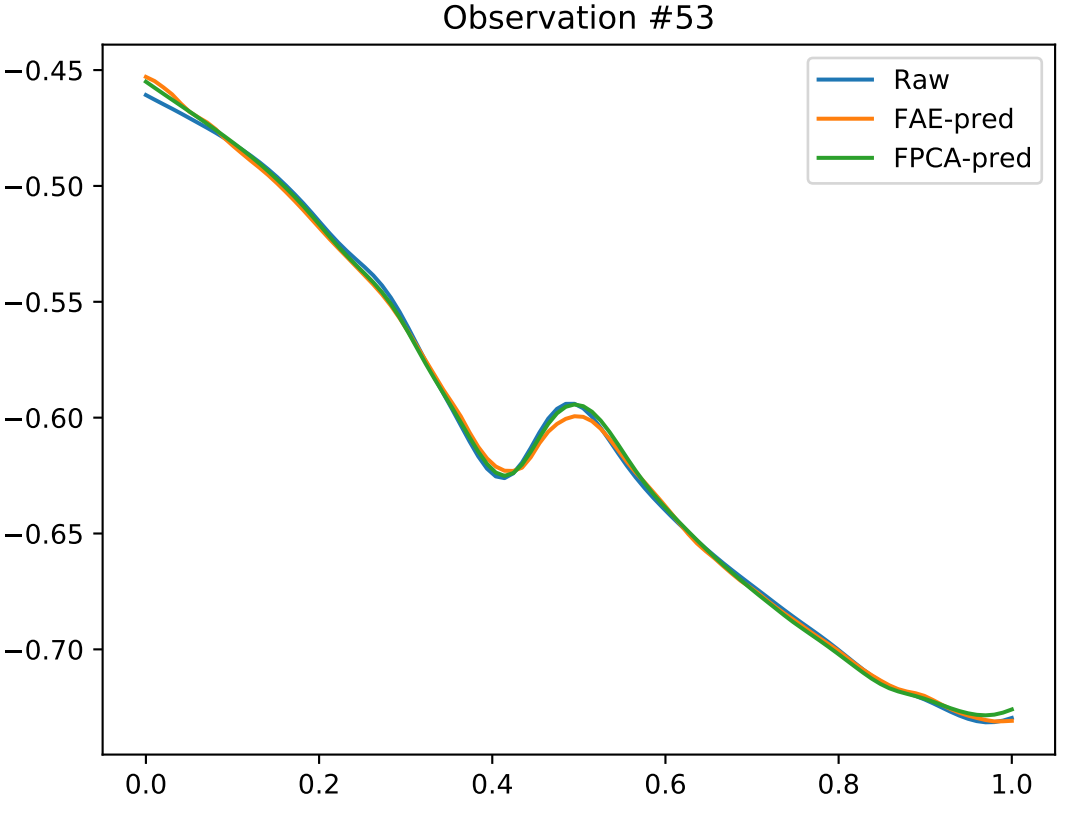

Observation #48
Raw
FAE-pred
FPCA-pred
−0.65
−0.70
−0.75
−0.80
−0.85
0.0
0.2
0.4
0.6
0.8
1.0

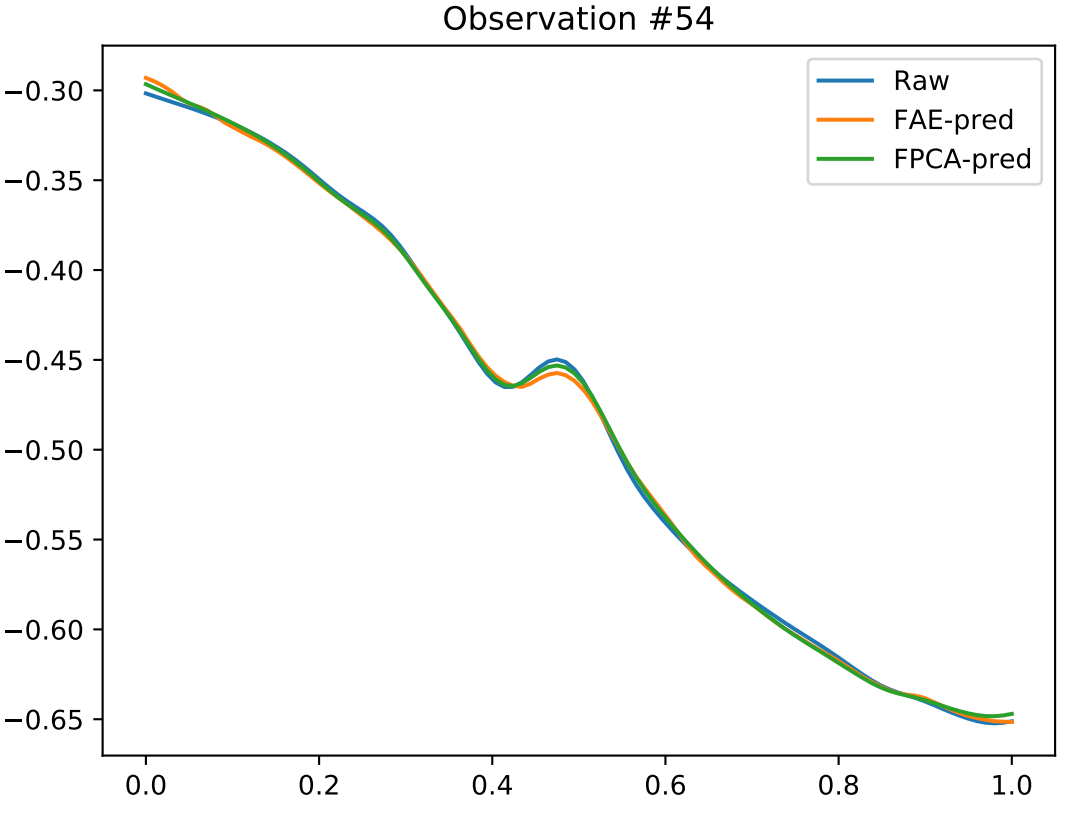

Observation #49
Raw
FAE-pred
FPCA-pred
−0.55
−0.60
−0.65
−0.70
−0.75
−0.80
−0.85
0.0
0.2
0.4
0.6
0.8
1.0

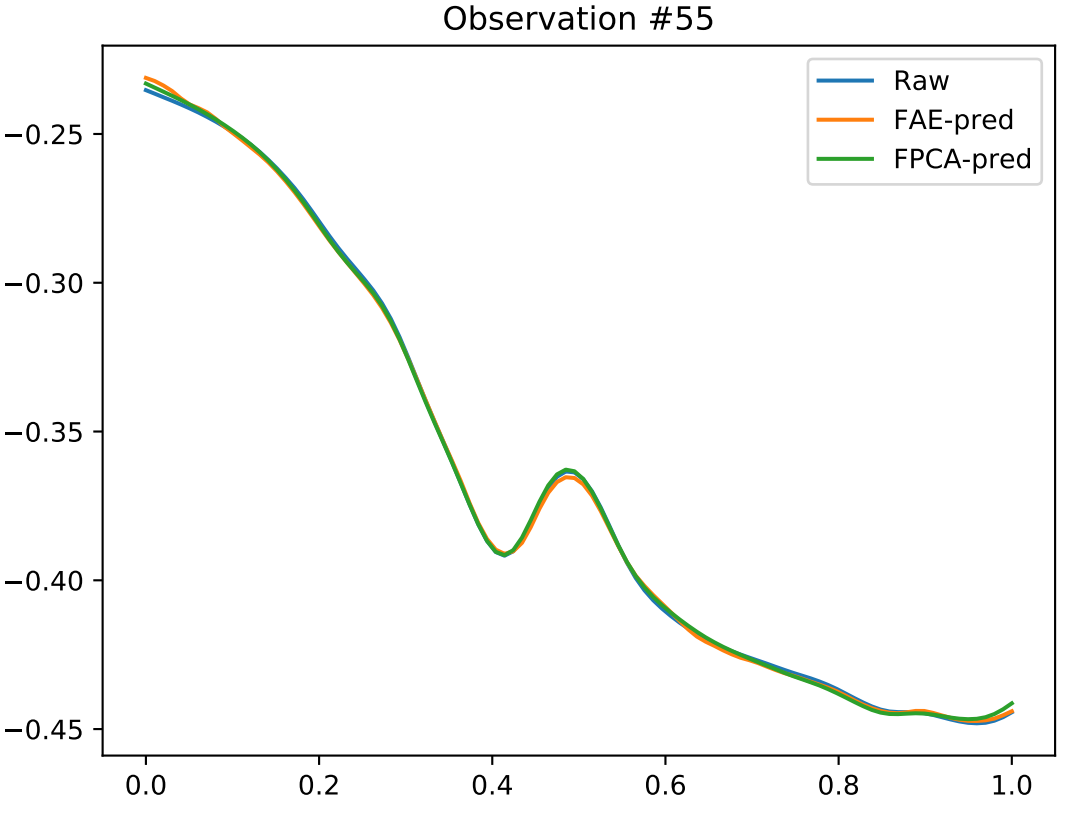

Observation #50
Raw
FAE-pred
FPCA-pred
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
0.0
0.2
0.4
0.6
0.8
1.0

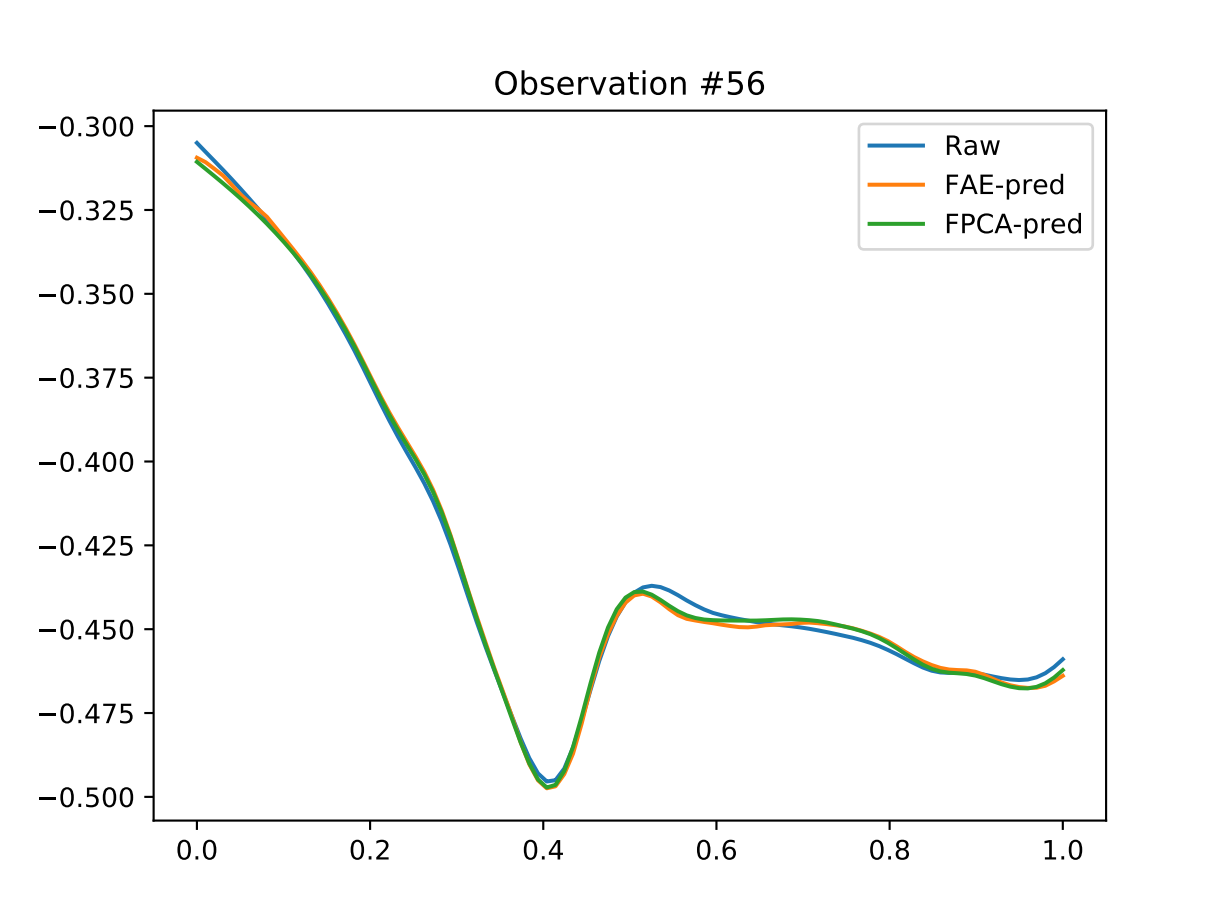

Observation #51
Raw
FAE-pred
FPCA-pred
0.50
0.45
0.40
0.35
0.0
0.2
0.4
0.6
0.8
1.0

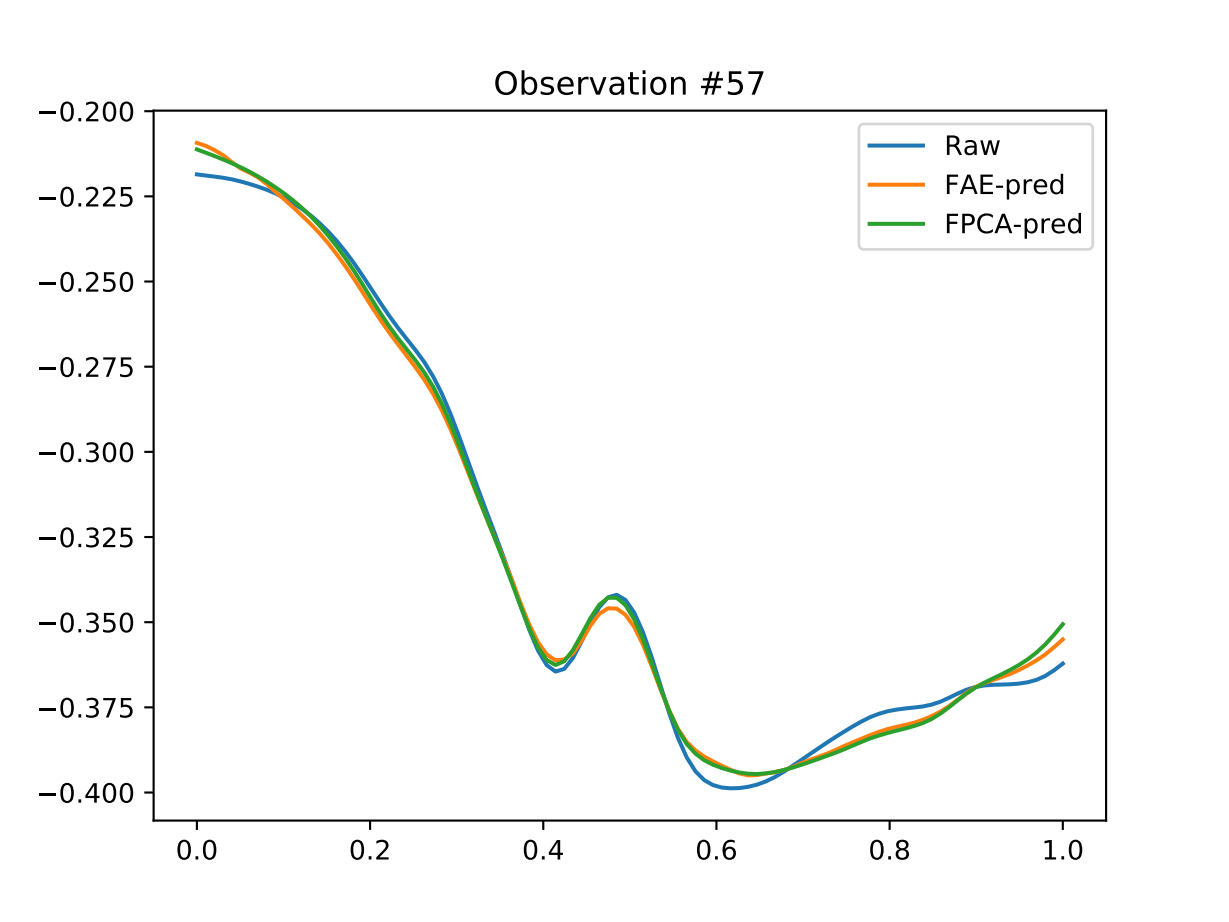

Observation #52
Raw
FAE-pred
FPCA-pred
−0.325
−0.350
−0.375
−0.400
−0.425
−0.450
−0.475
−0.500
−0.525
0.0
0.2
0.4
0.6
0.8
1.0

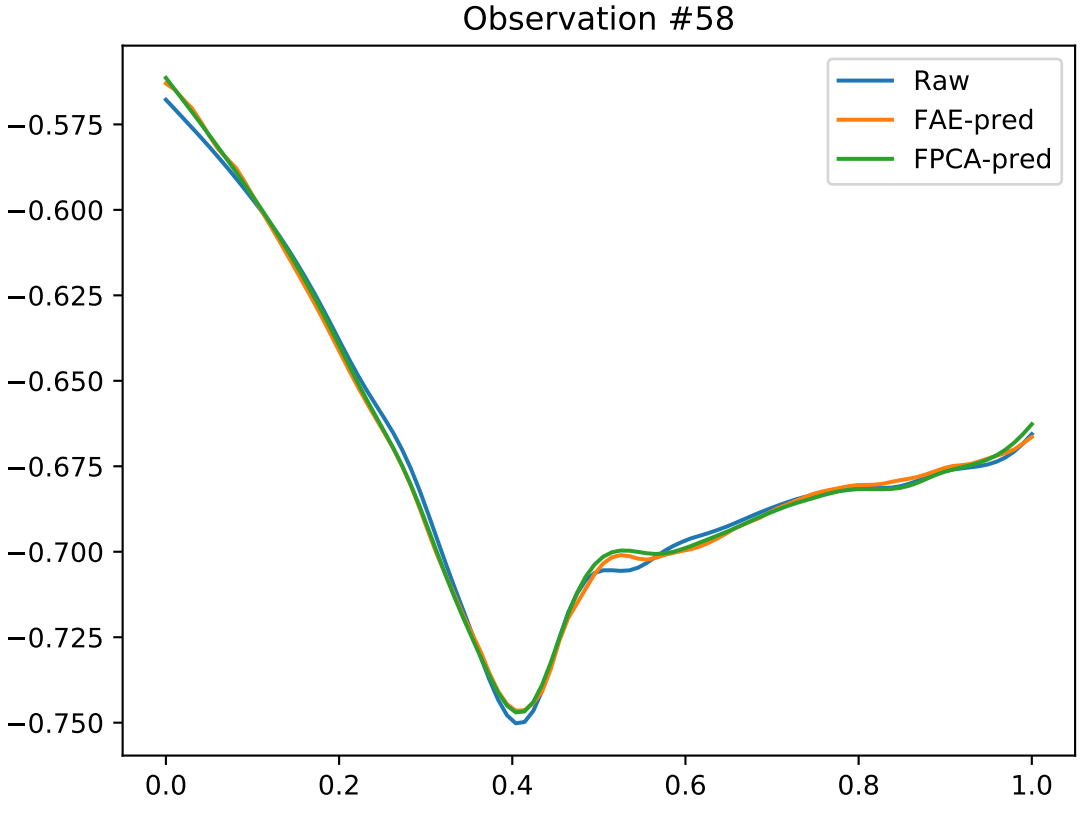

Observation #53
Raw
FAE-pred
FPCA-pred
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
0.0
0.2
0.4
0.6
0.8
1.0

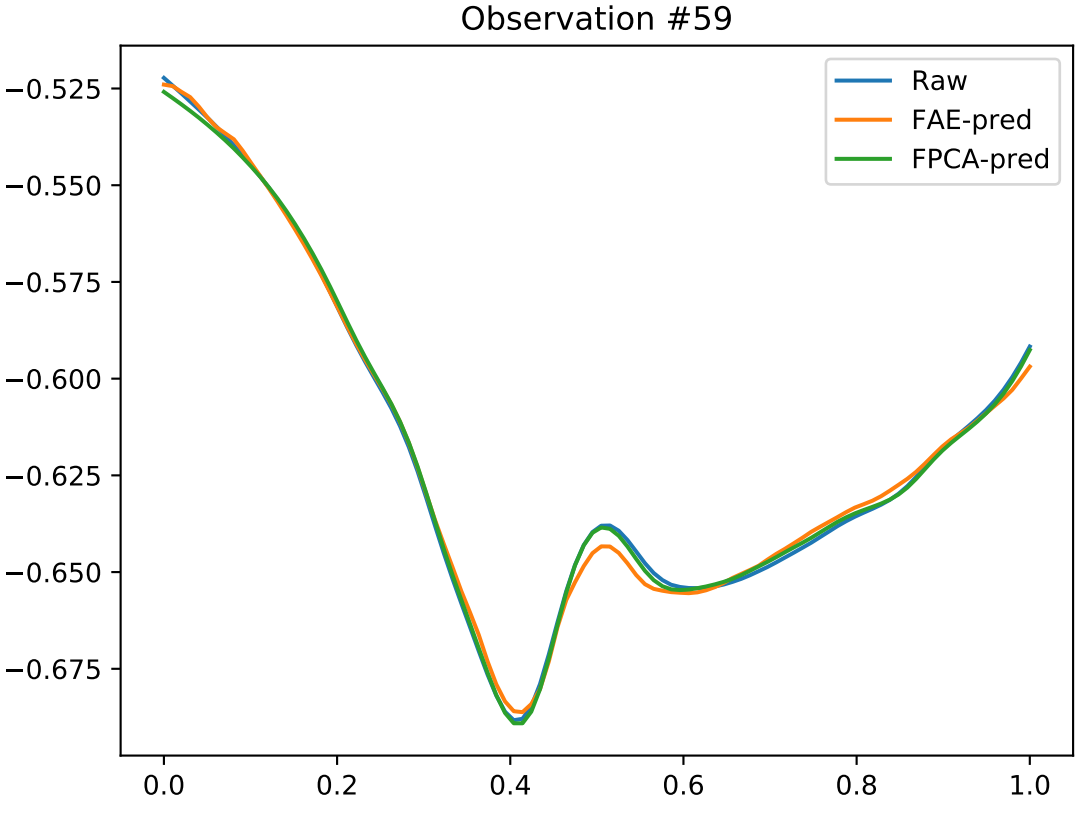

Observation #54
Raw
FAE-pred
FPCA-pred
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
−0.65
0.0
0.2
0.4
0.6
0.8
1.0

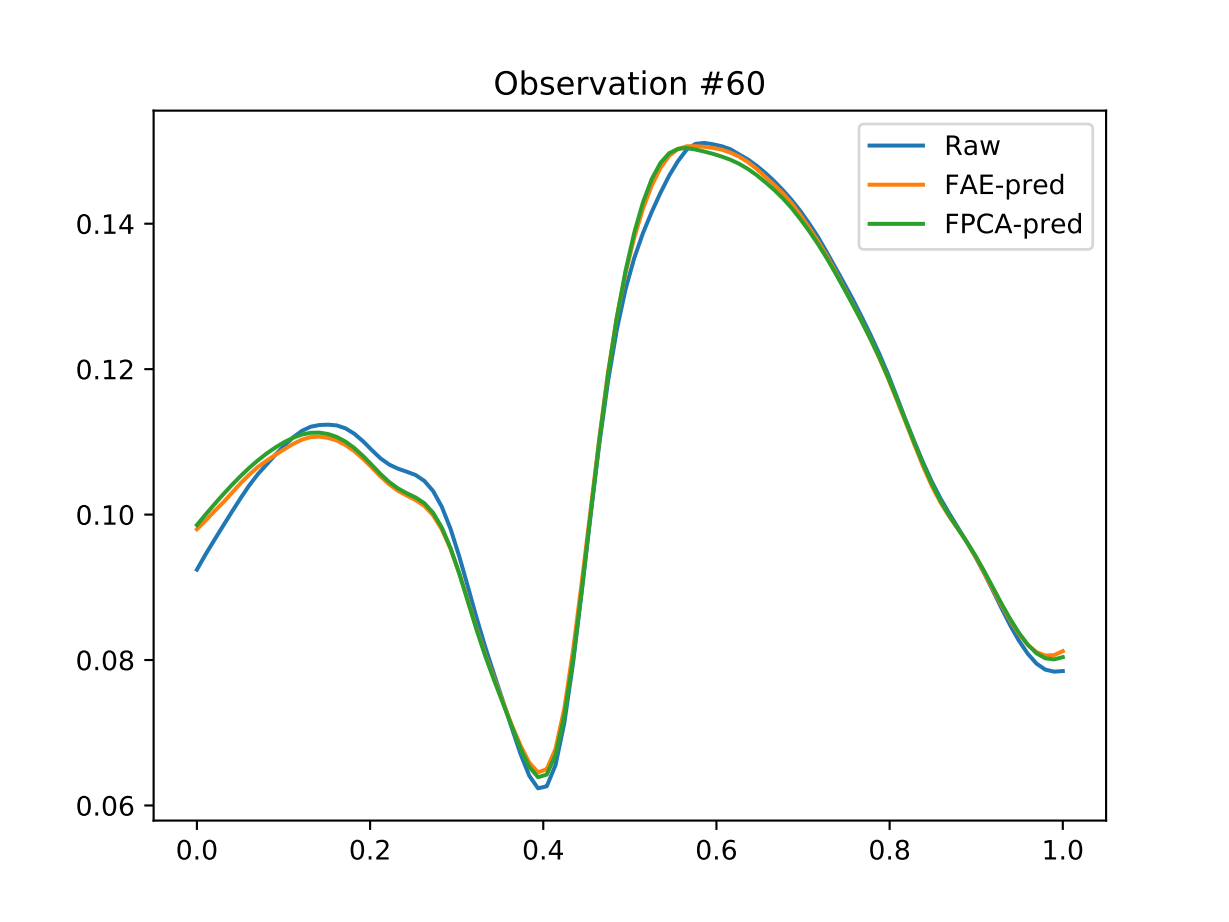

Observation #55
Raw
FAE-pred
FPCA-pred
−0.25
−0.30
−0.35
−0.40
−0.45
0.0
0.2
0.4
0.6
0.8
1.0

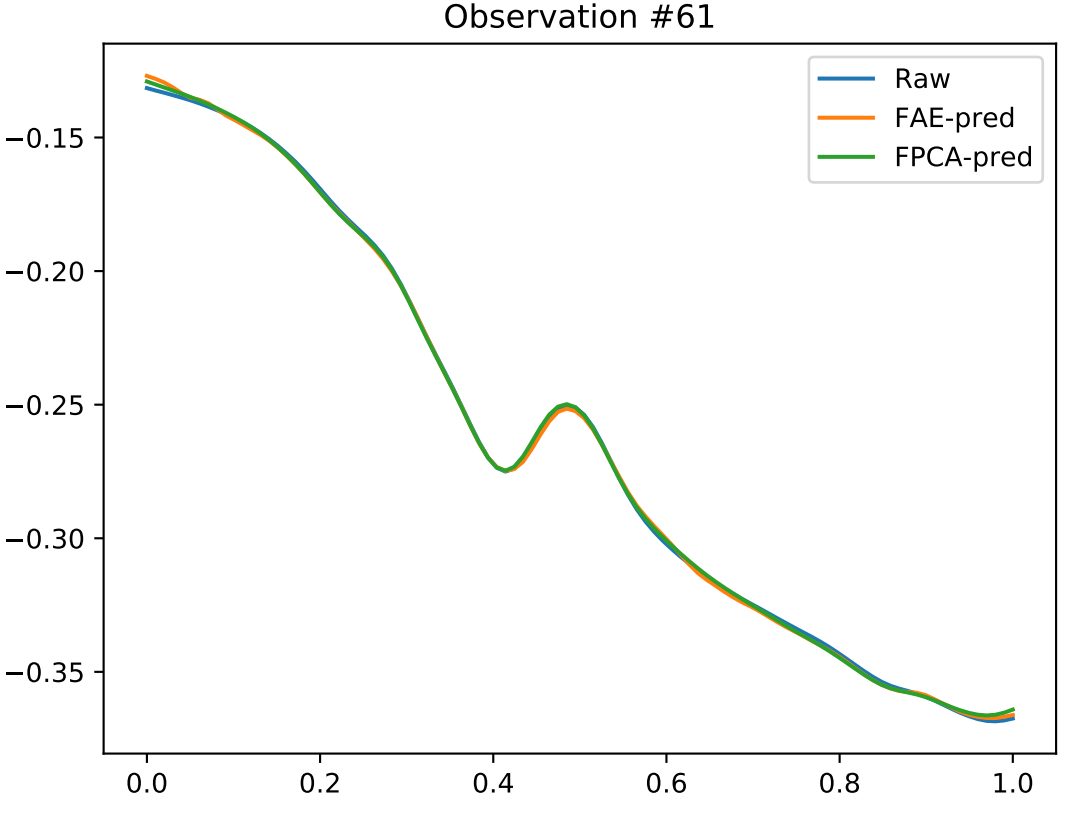

Observation #56
Raw
FAE-pred
FPCA-pred
−0.300
−0.325
−0.350
−0.375
−0.400
−0.425
−0.450
−0.475
−0.500
0.0
0.2
0.4
0.6
0.8
1.0

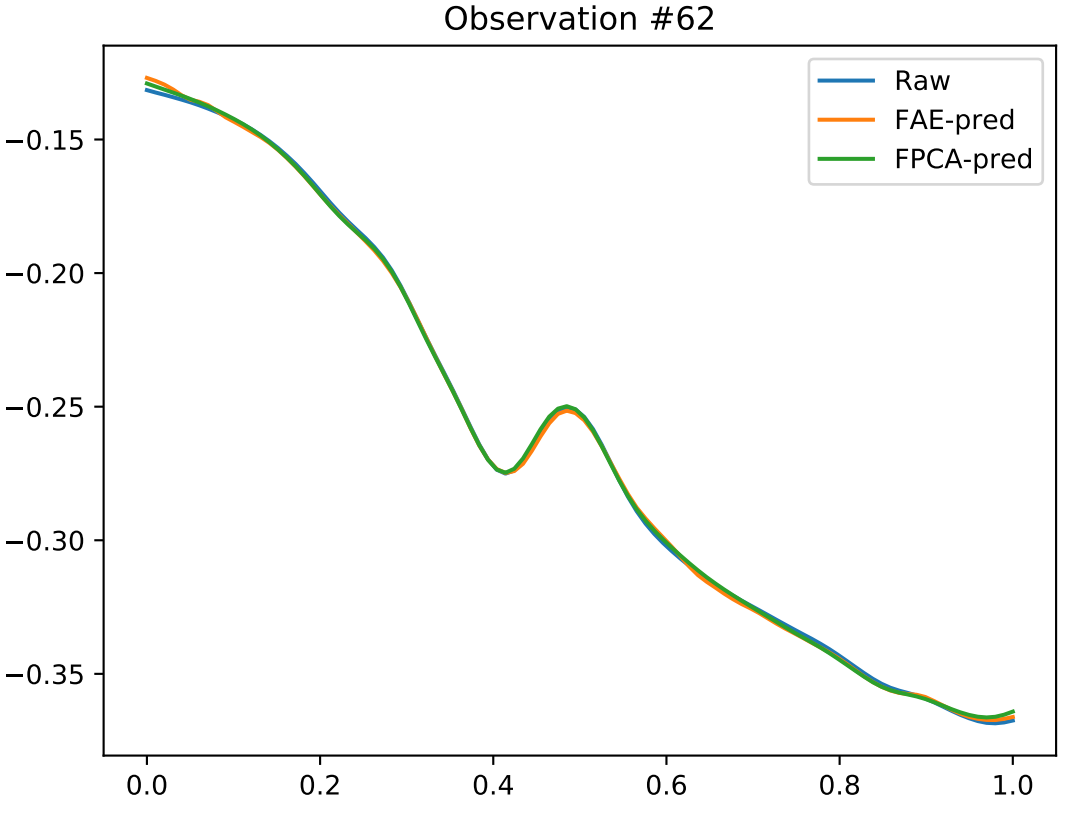

Observation #57
Raw
FAE-pred
FPCA-pred
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
−0.400
0.0
0.2
0.4
0.6
0.8
1.0

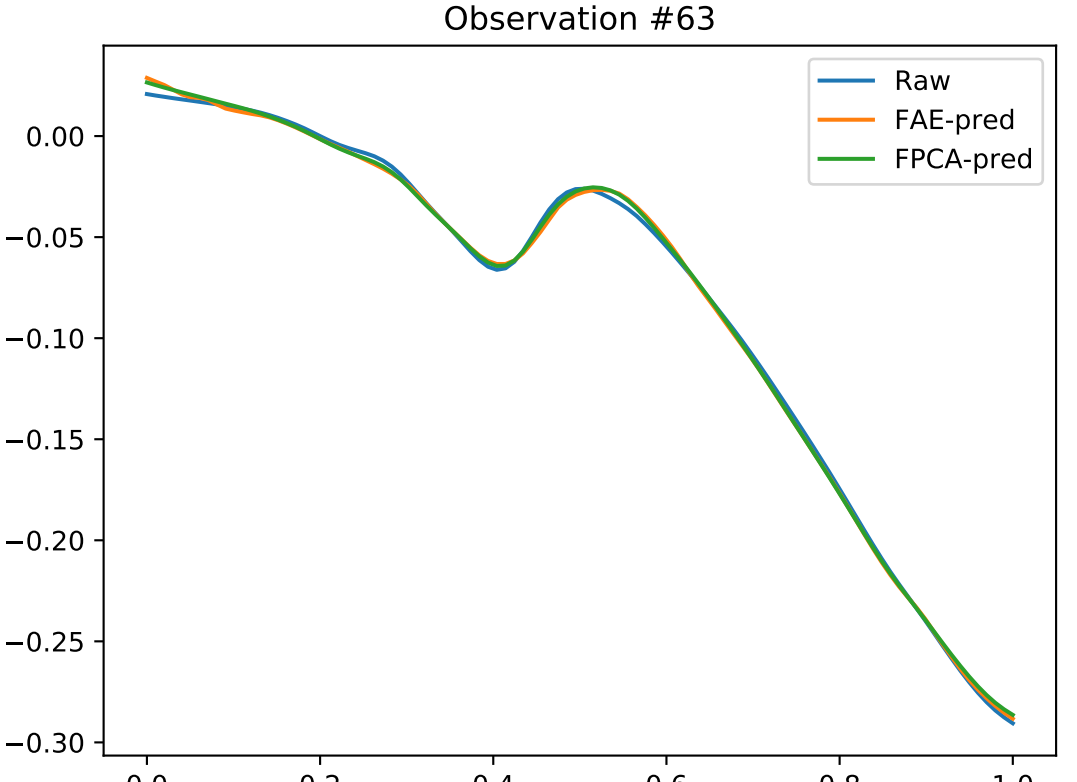

Observation #58
Raw
FAE-pred
FPCA-pred
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
0.0
0.2
0.4
0.6
0.8
1.0

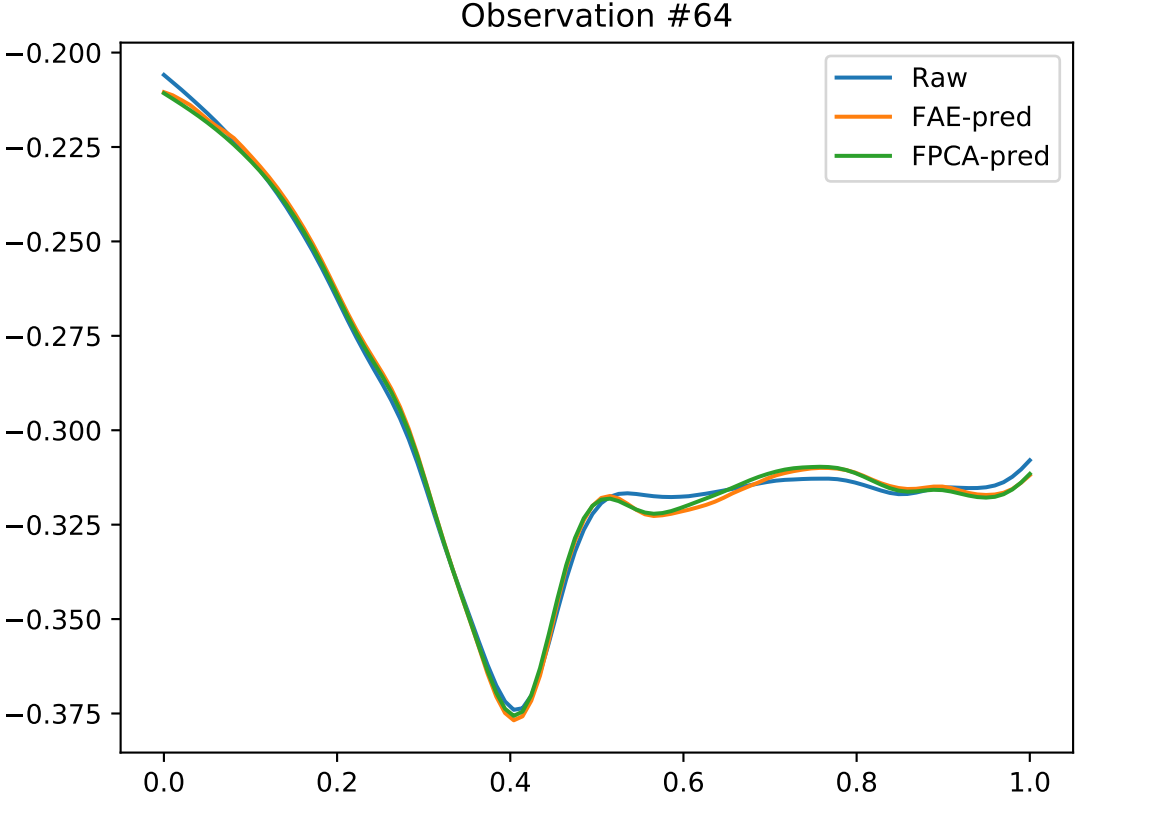

Observation #59
Raw
FAE-pred
FPCA-pred
−0.525
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
0.0
0.2
0.4
0.6
0.8
1.0

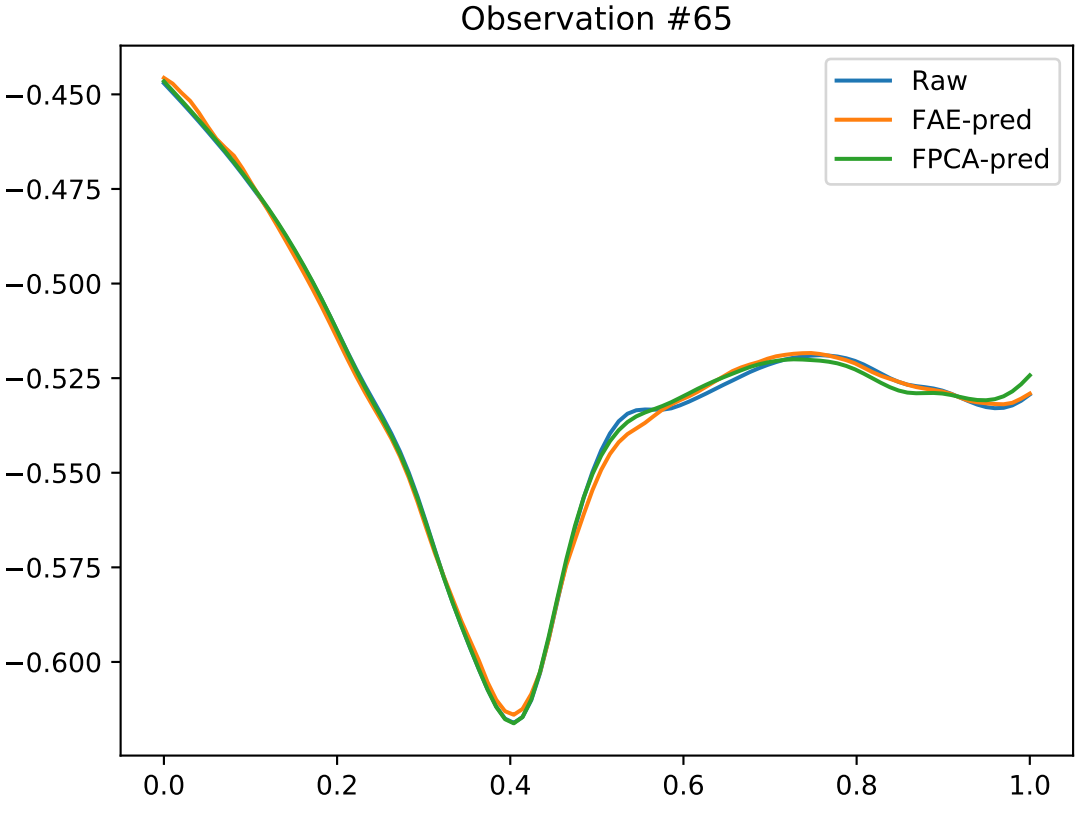

Observation #60
Raw
FAE-pred
FPCA-pred
0.14
0.12
0.10
0.08
0.06
0.0
0.2
0.4
0.6
0.8
1.0

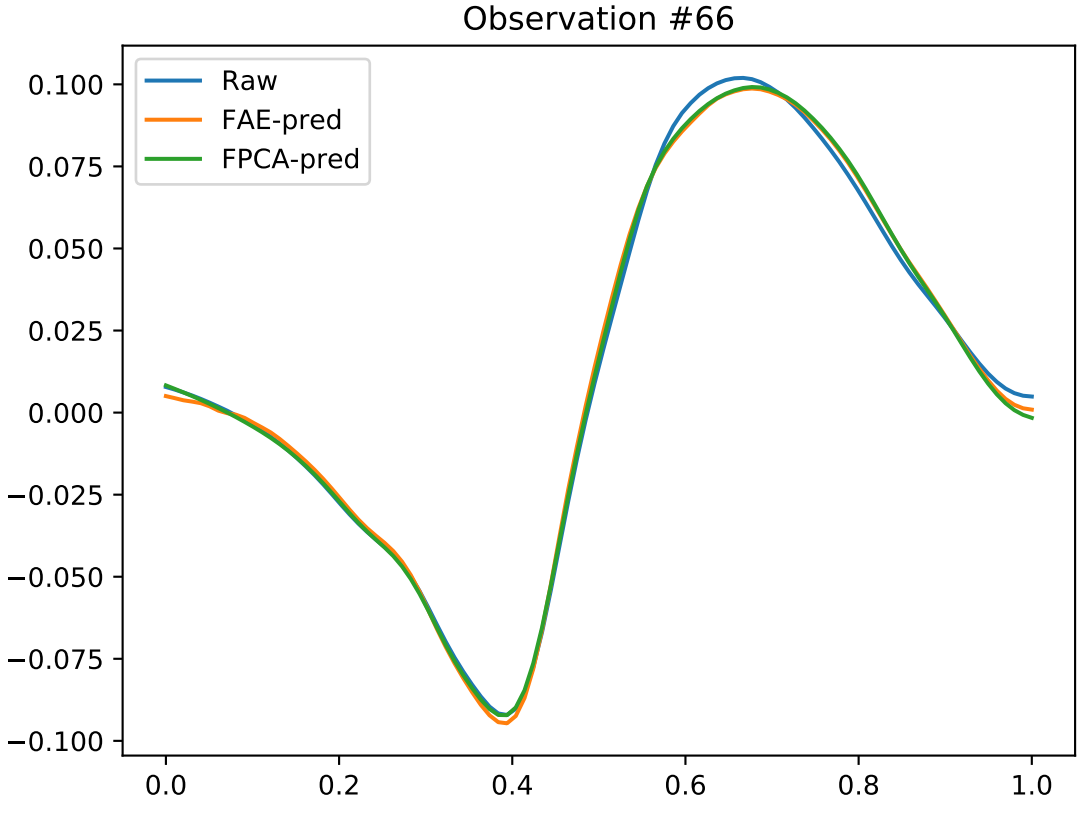

Observation #61
Raw
FAE-pred
FPCA-pred
−0.15
−0.20
−0.25
−0.30
−0.35
0.0
0.2
0.4
0.6
0.8
1.0

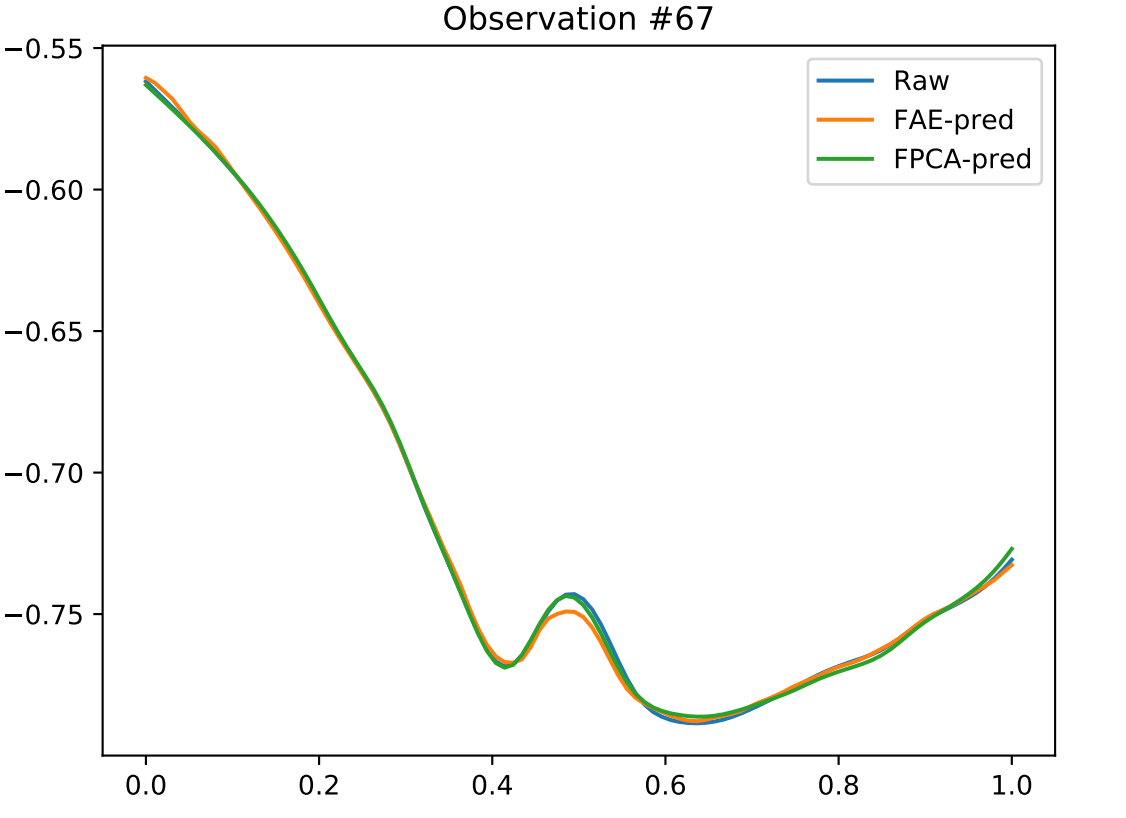

Observation #62
Raw
FAE-pred
FPCA-pred
−0.15
−0.20
−0.25
−0.30
−0.35
0.0
0.2
0.4
0.6
0.8
1.0

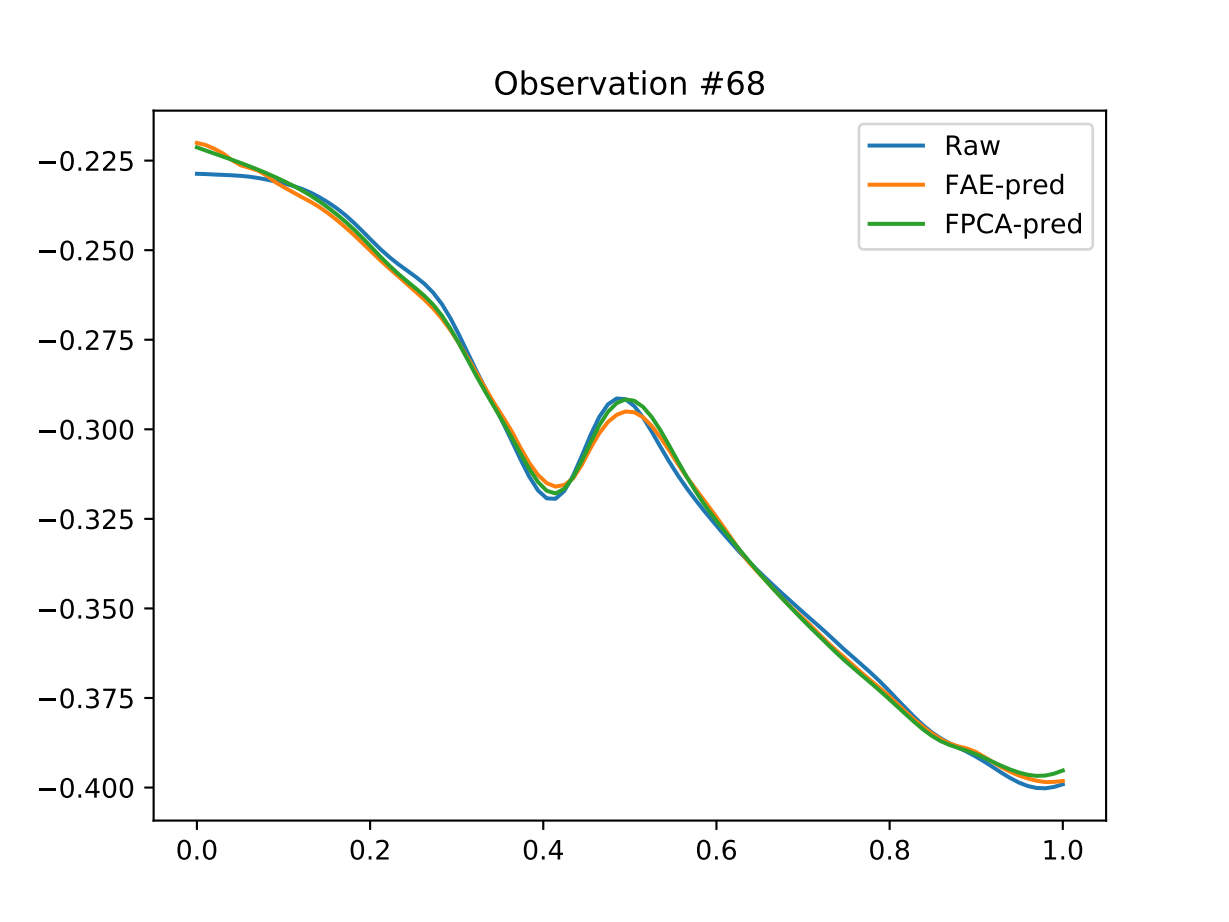

Observation #63
Raw
FAE-pred
FPCA-pred
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0.0
0.2
0.4
0.6
0.8
1.0

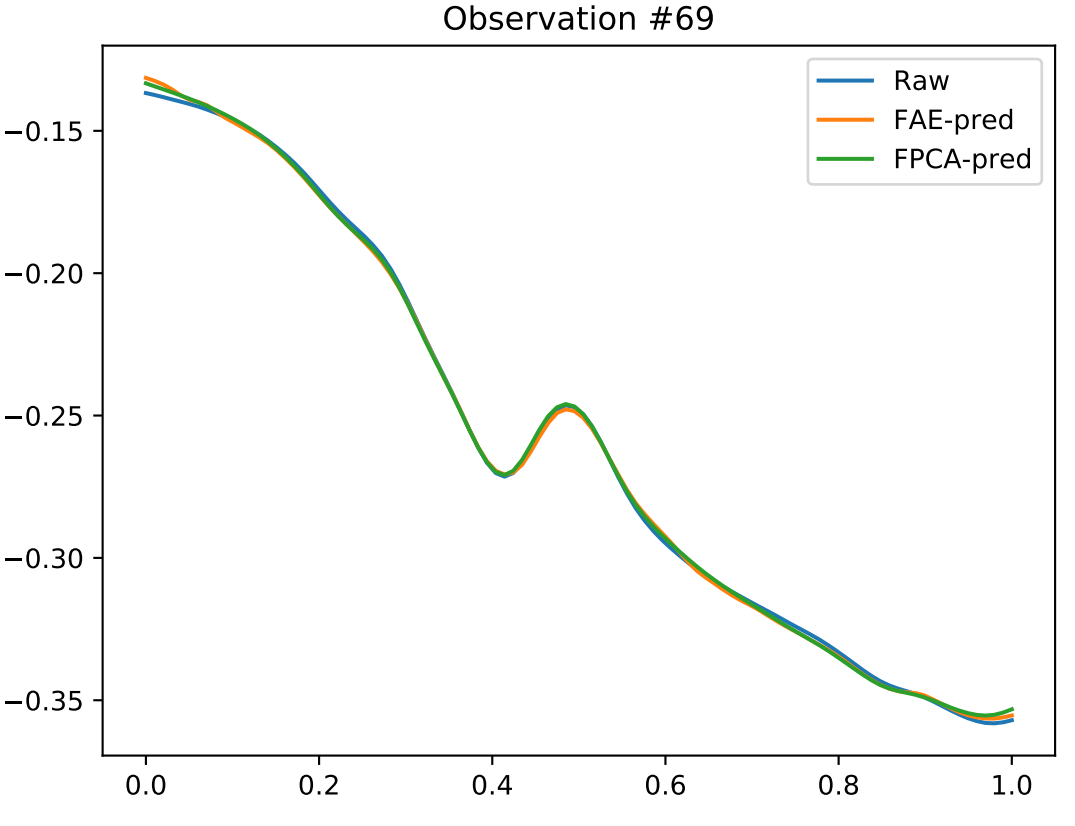

Observation #64
Raw
FAE-pred
FPCA-pred
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
0.0
0.2
0.4
0.6
0.8
1.0

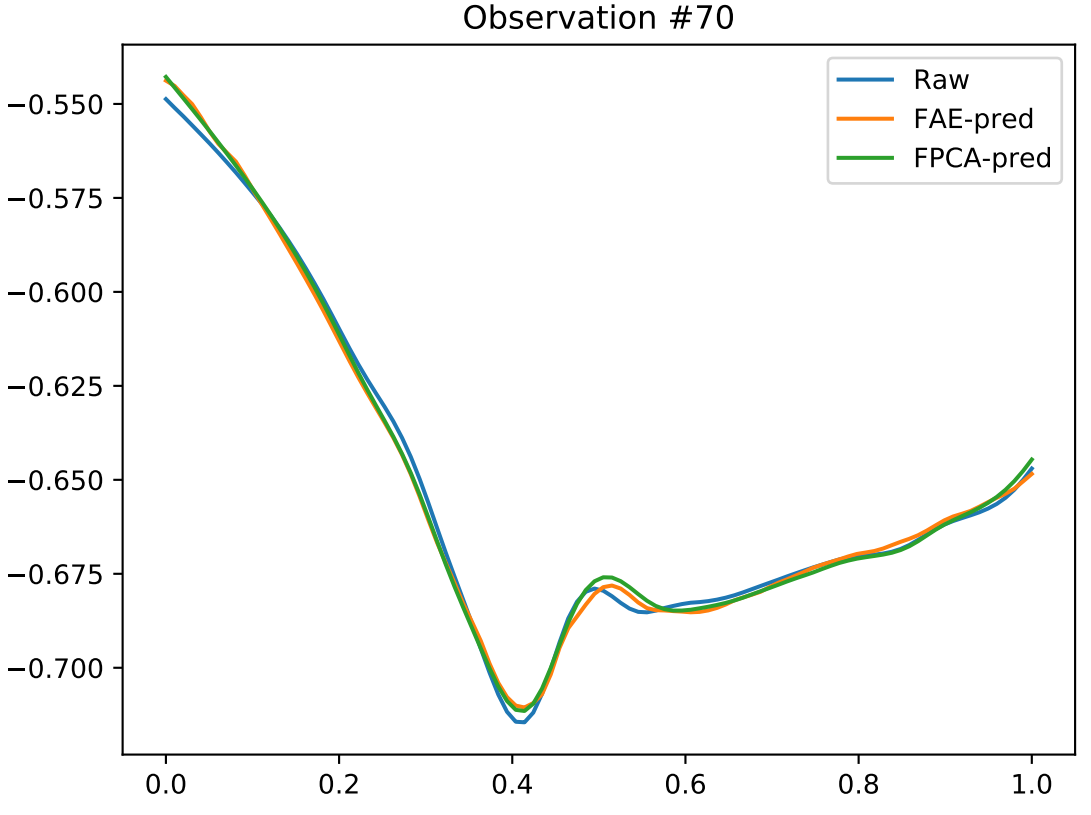

Observation #65
Raw
FAE-pred
FPCA-pred
−0.450
−0.475
−0.500
−0.525
−0.550
−0.575
−0.600
0.0
0.2
0.4
0.6
0.8
1.0

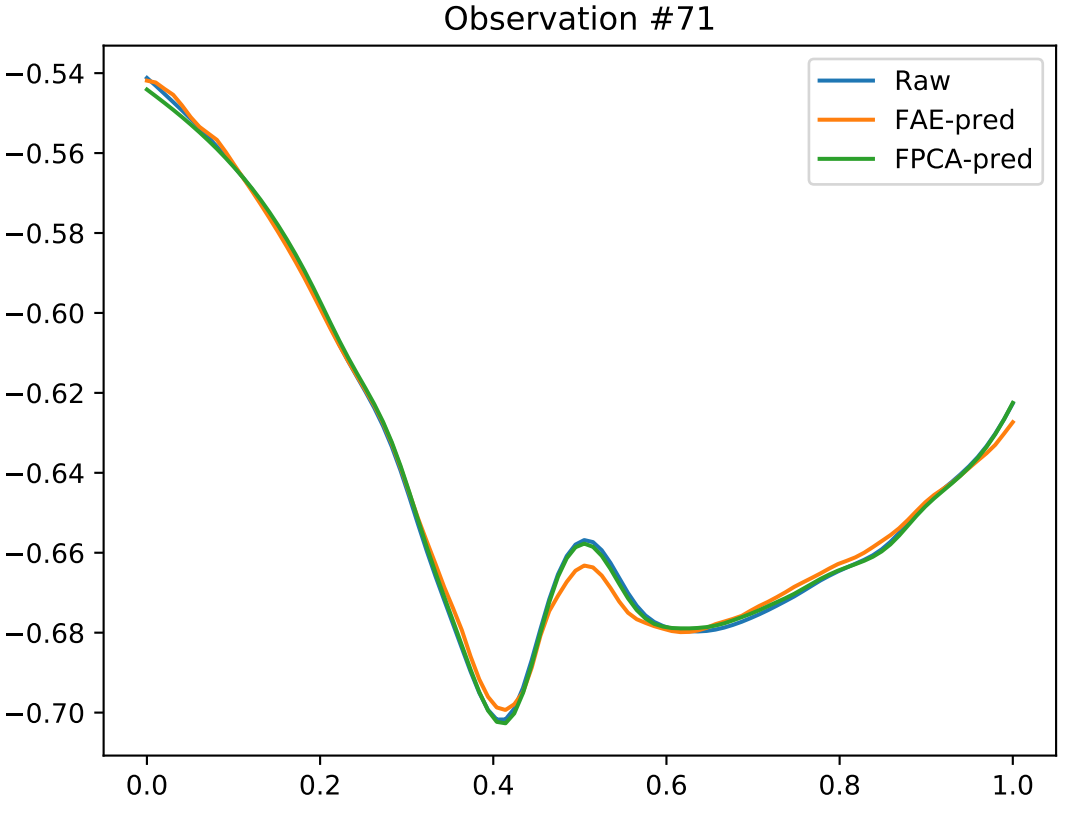

Observation #66
Raw
FAE-pred
FPCA-pred
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100
0.0
0.2
0.4
0.6
0.8
1.0

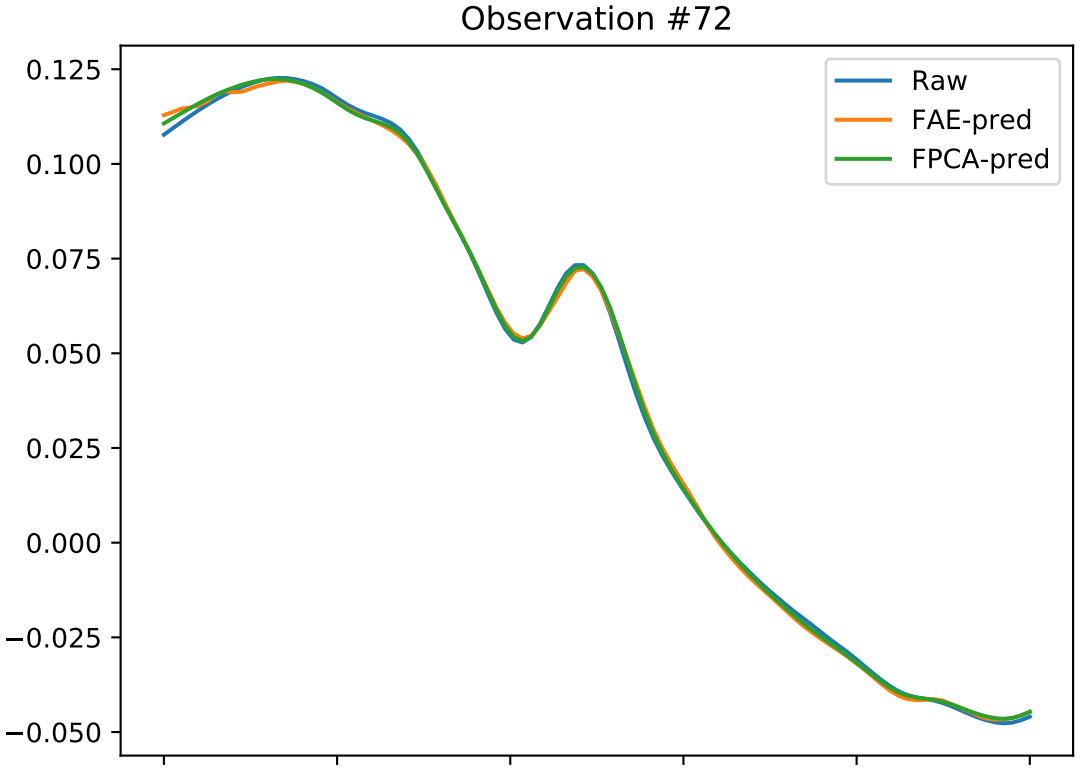

Observation #67
Raw
FAE-pred
FPCA-pred
−0.55
−0.60
−0.65
−0.70
−0.75
0.0
0.2
0.4
0.6
0.8
1.0

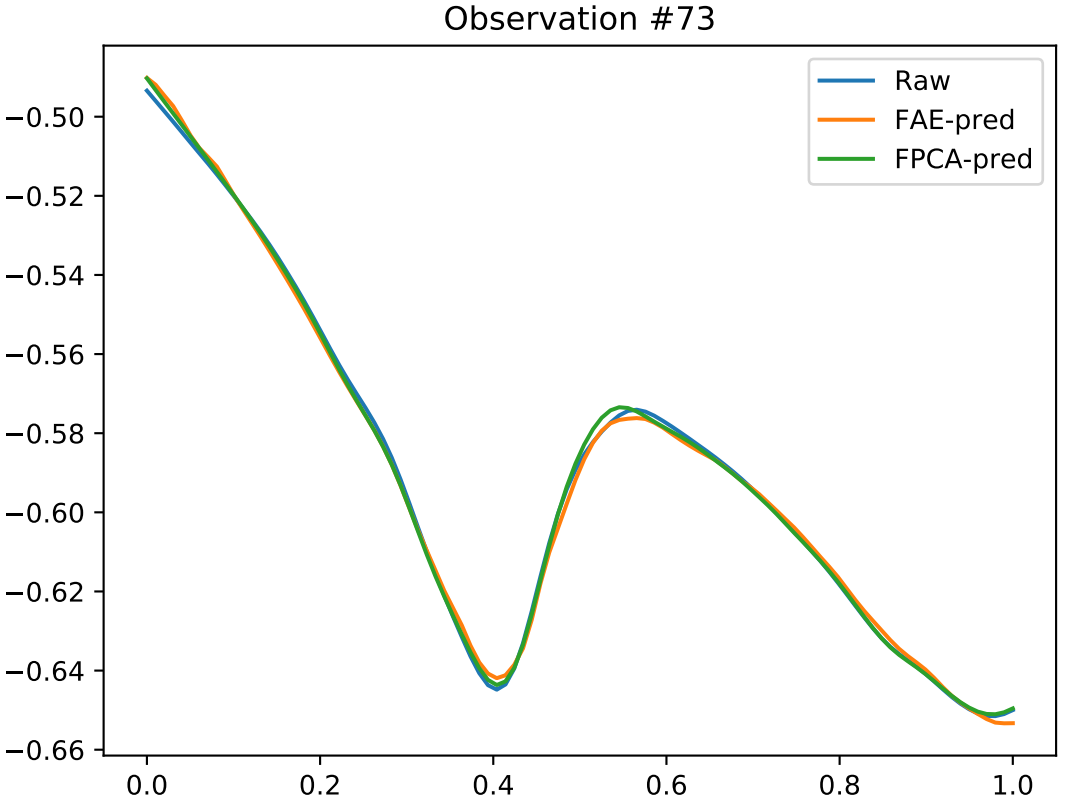

Observation #68
Raw
FAE-pred
FPCA-pred
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
−0.400
0.0
0.2
0.4
0.6
0.8
1.0

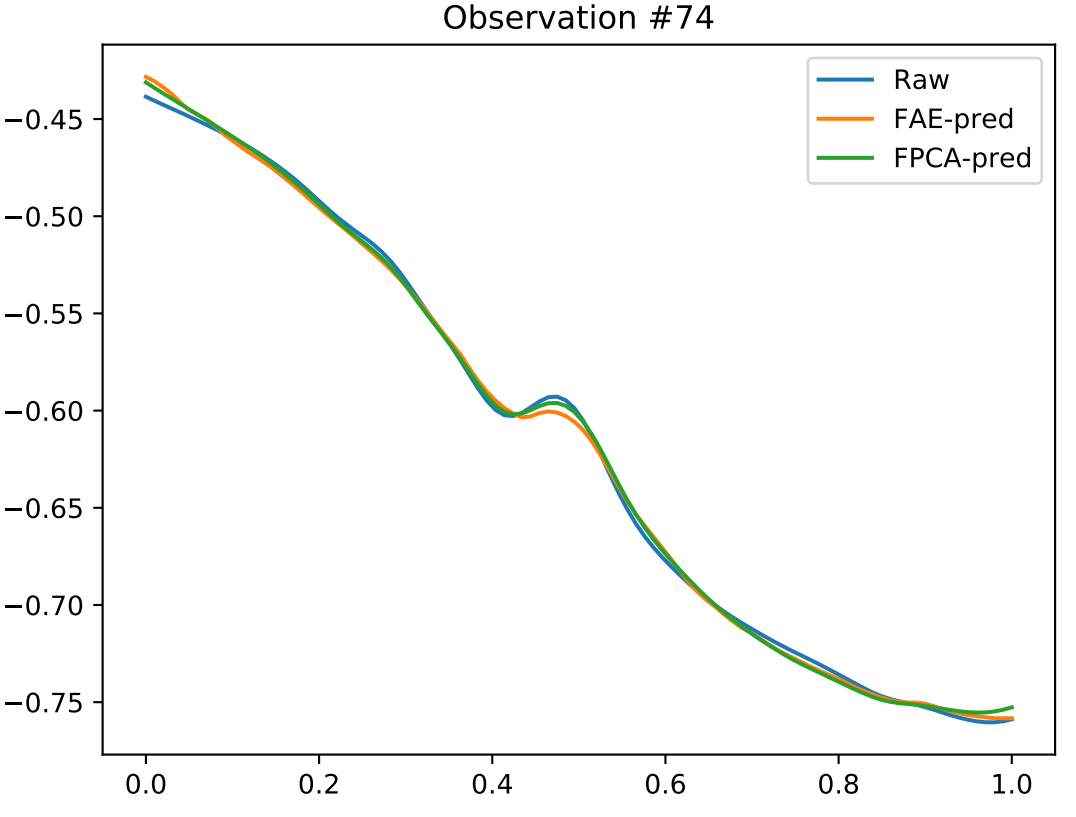

Observation #69
Raw
FAE-pred
FPCA-pred
−0.15
−0.20
−0.25
−0.30
−0.35
0.0
0.2
0.4
0.6
0.8
1.0

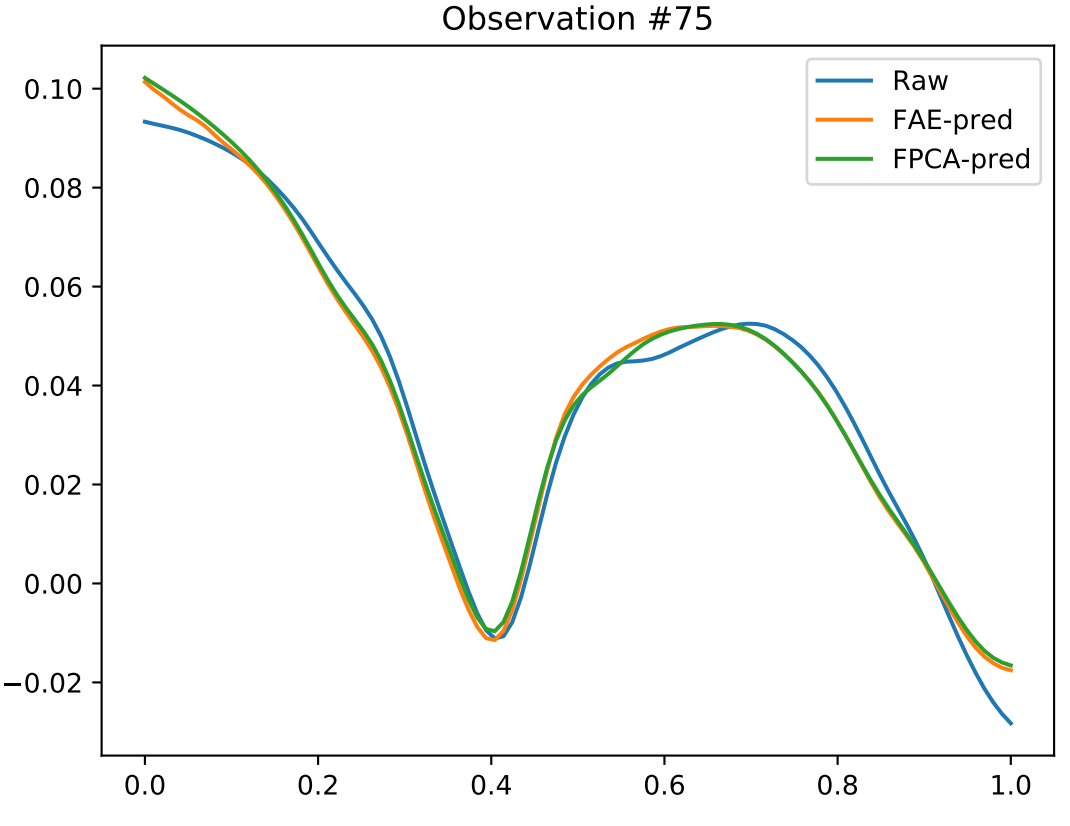

Observation #70
Raw
FAE-pred
FPCA-pred
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
0.0
0.2
0.4
0.6
0.8
1.0

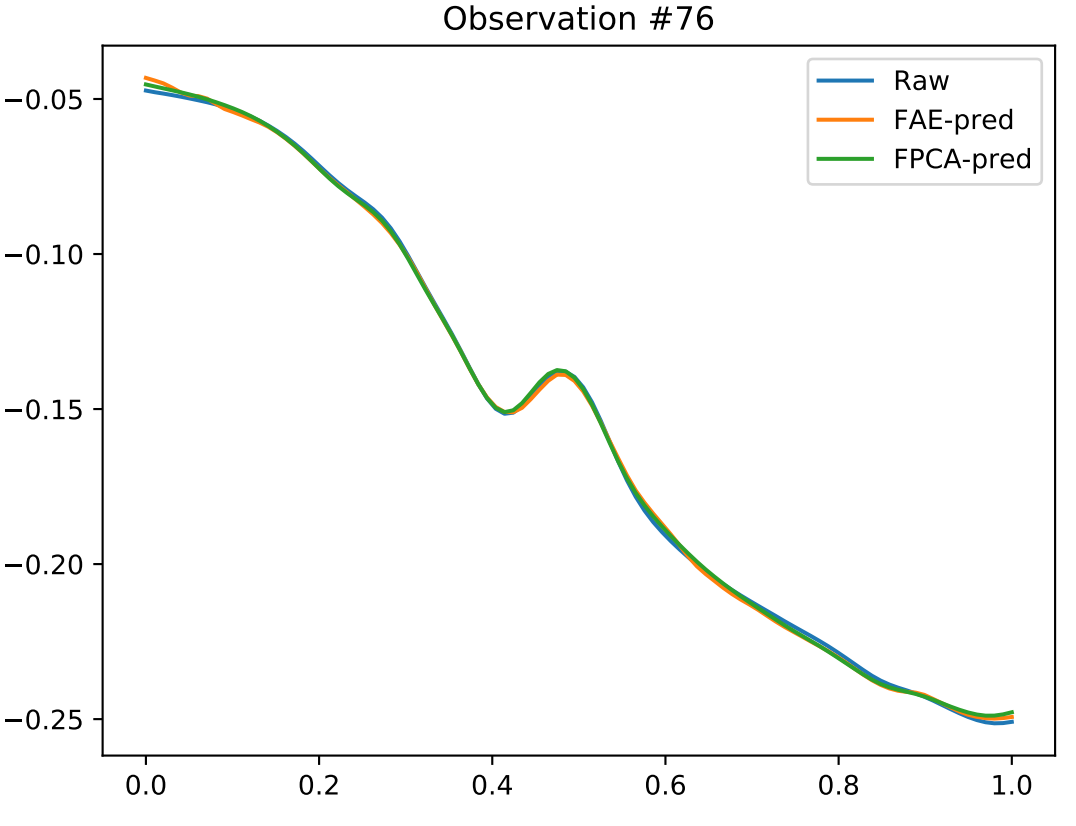

Observation #71
Raw
FAE-pred
FPCA-pred
−0.54
−0.56
−0.58
−0.60
−0.62
−0.64
−0.66
−0.68
−0.70
0.0
0.2
0.4
0.6
0.8
1.0

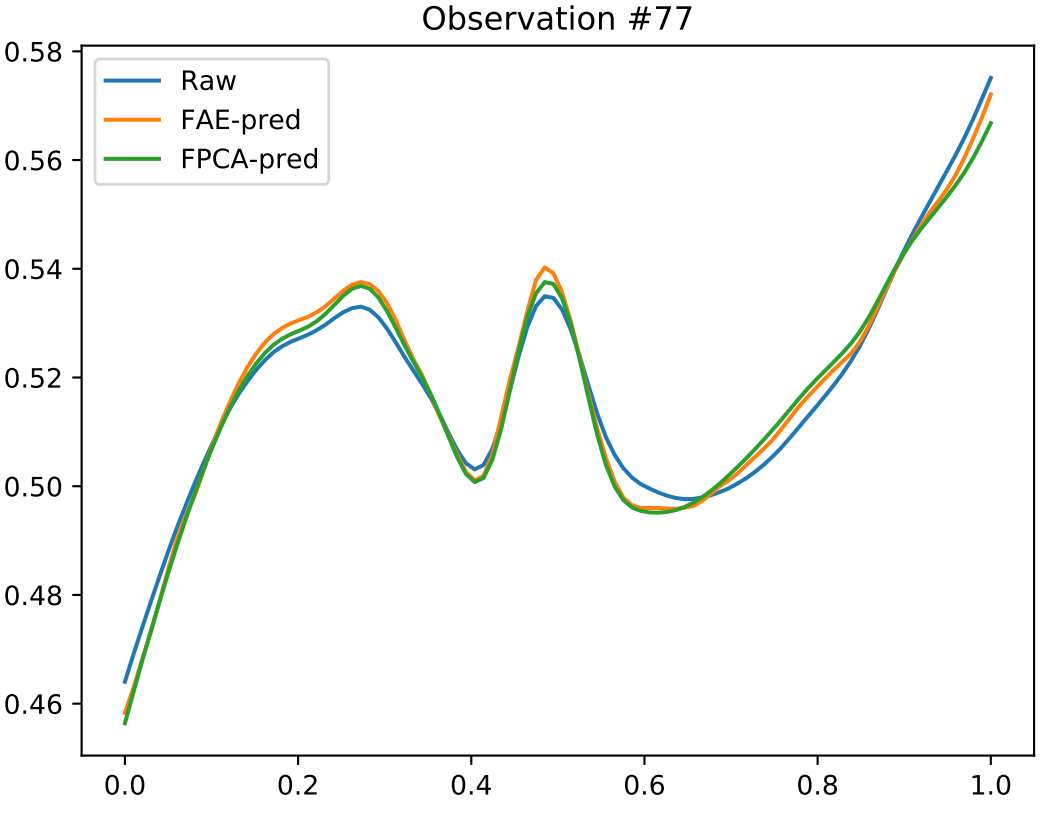

Observation #72
Raw
FAE-pred
FPCA-pred
0.125
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
0.0
0.2
0.4
0.6
0.8
1.0

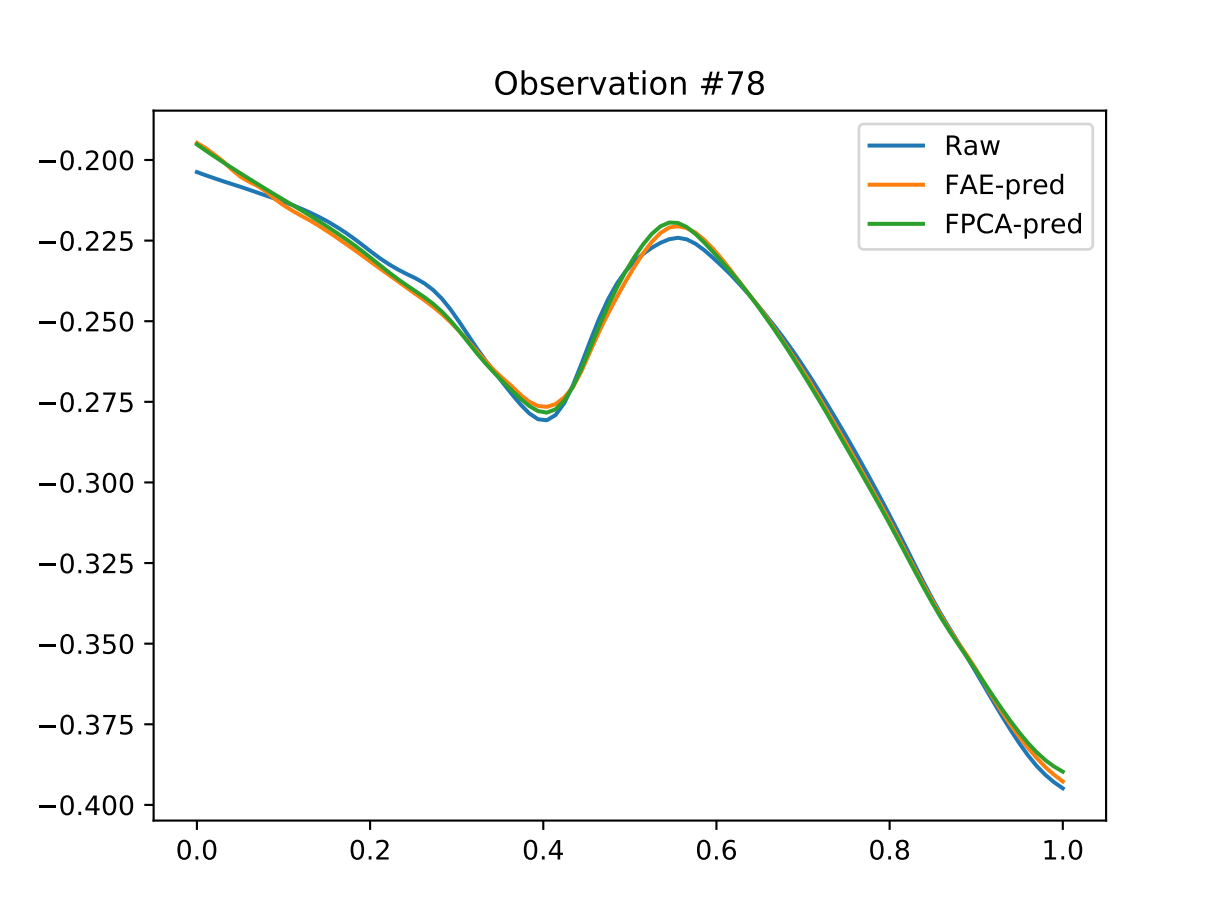

Observation #73
Raw
FAE-pred
FPCA-pred
−0.50
−0.52
−0.54
−0.56
−0.58
−0.60
−0.62
−0.64
−0.66
0.0
0.2
0.4
0.6
0.8
1.0

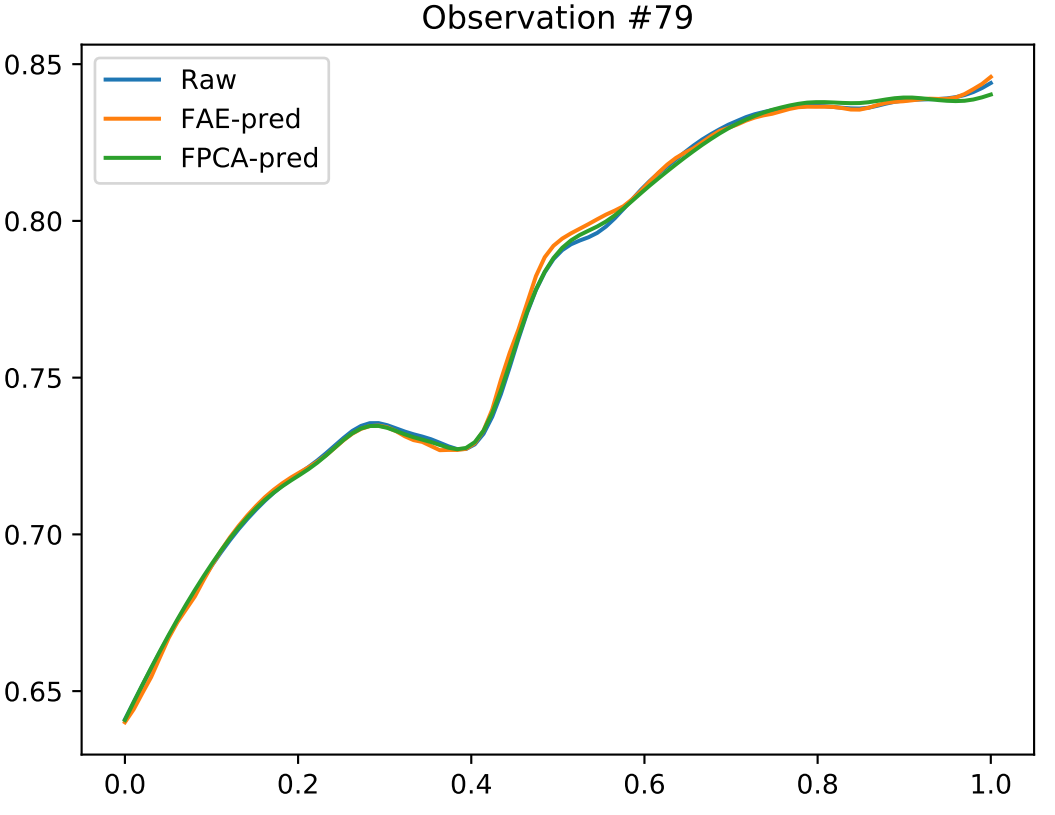

Observation #74
Raw
FAE-pred
FPCA-pred
−0.45
−0.50
−0.55
−0.60
−0.65
−0.70
−0.75
0.0
0.2
0.4
0.6
0.8
1.0

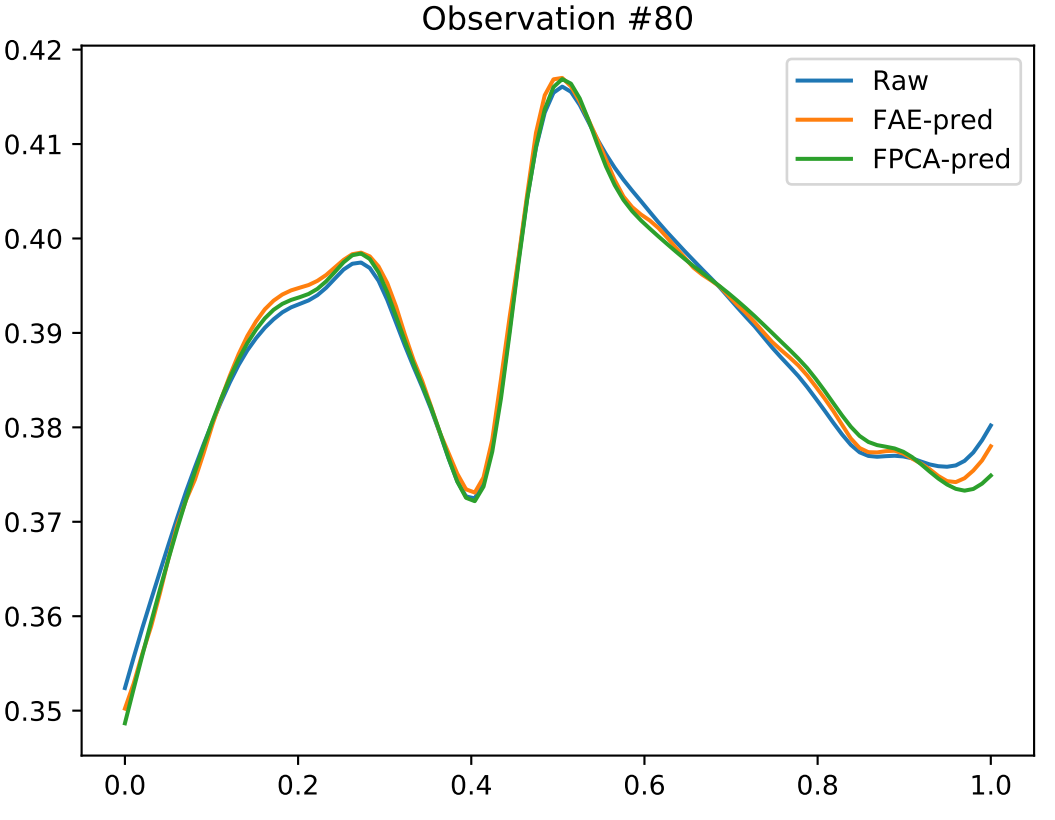

Observation #75
Raw
FAE-pred
FPCA-pred
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0.0
0.2
0.4
0.6
0.8
1.0

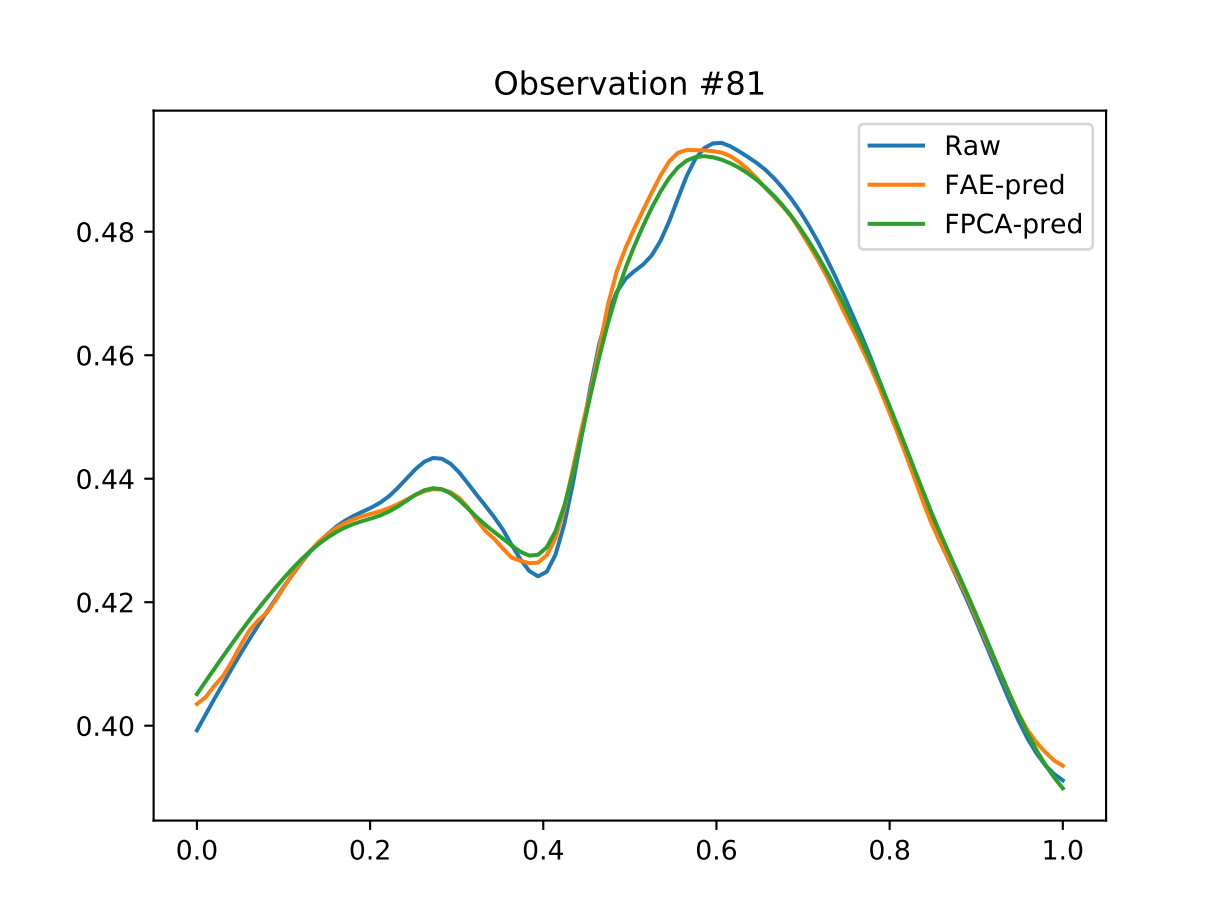

Observation #76
Raw
FAE-pred
FPCA-pred
−0.05
−0.10
−0.15
−0.20
−0.25
0.0
0.2
0.4
0.6
0.8
1.0

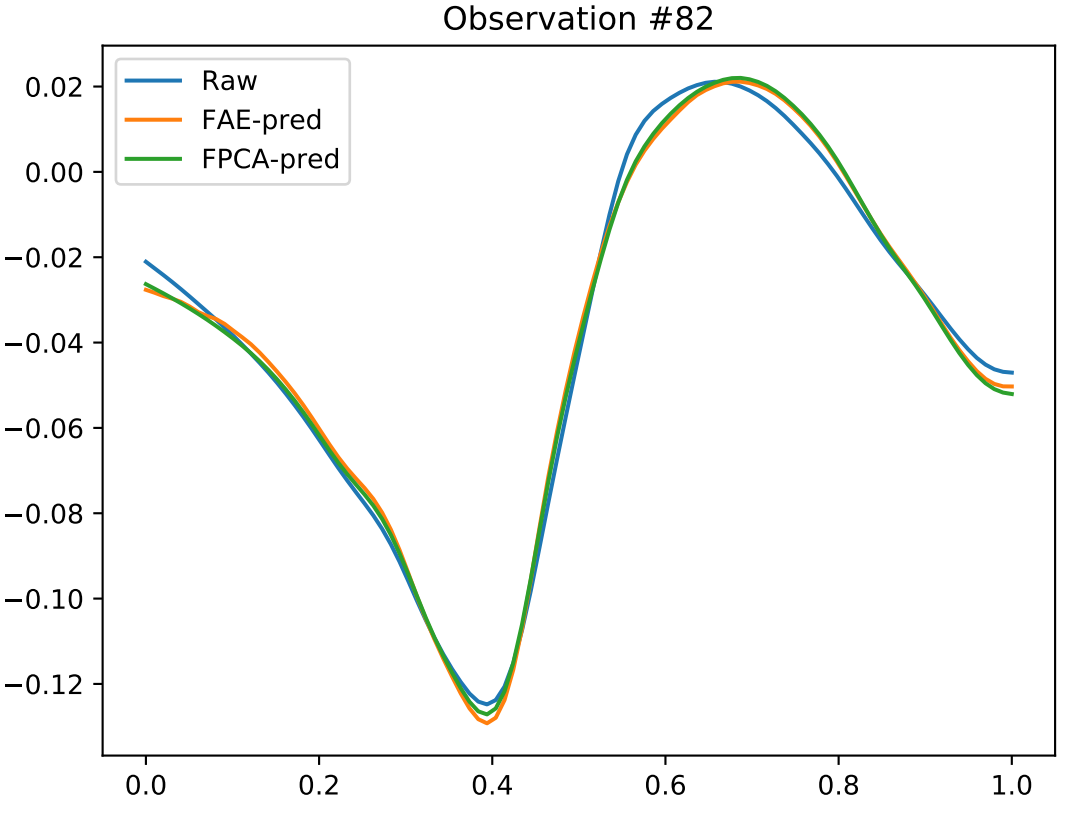

Observation #77
Raw
FAE-pred
FPCA-pred
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0.0
0.2
0.4
0.6
0.8
1.0

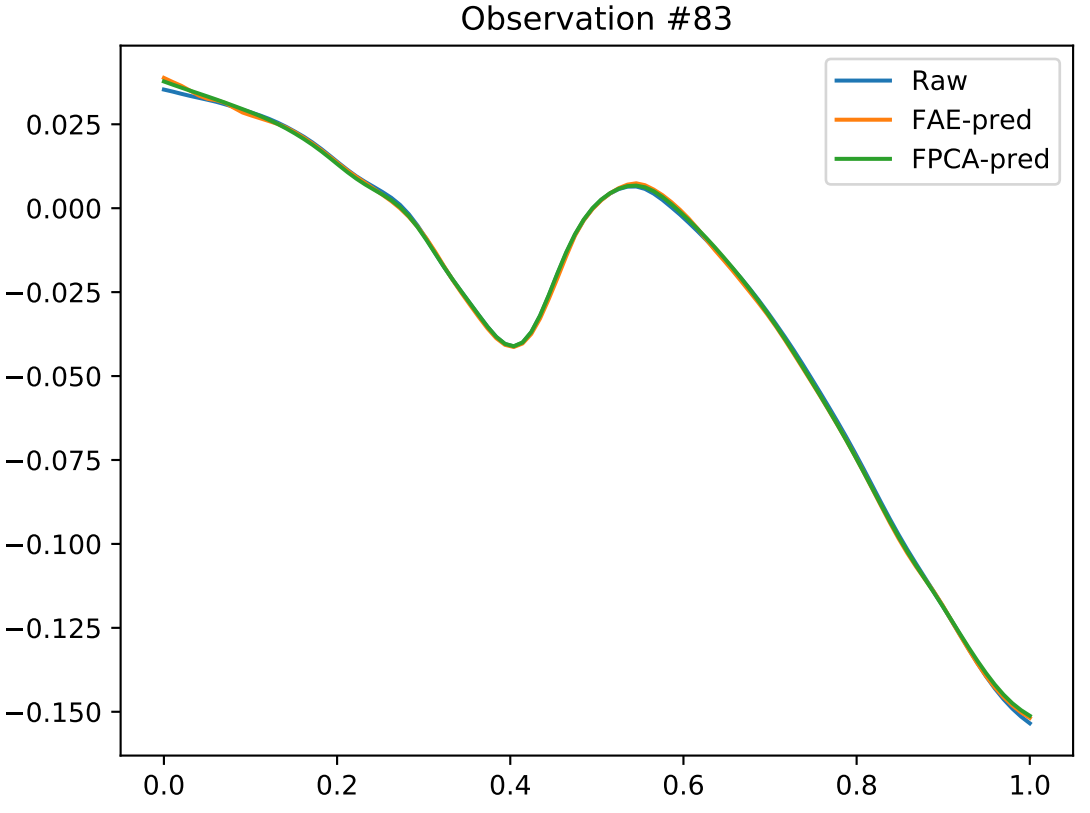

Observation #78
Raw
FAE-pred
FPCA-pred
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
−0.400
0.0
0.2
0.4
0.6
0.8
1.0

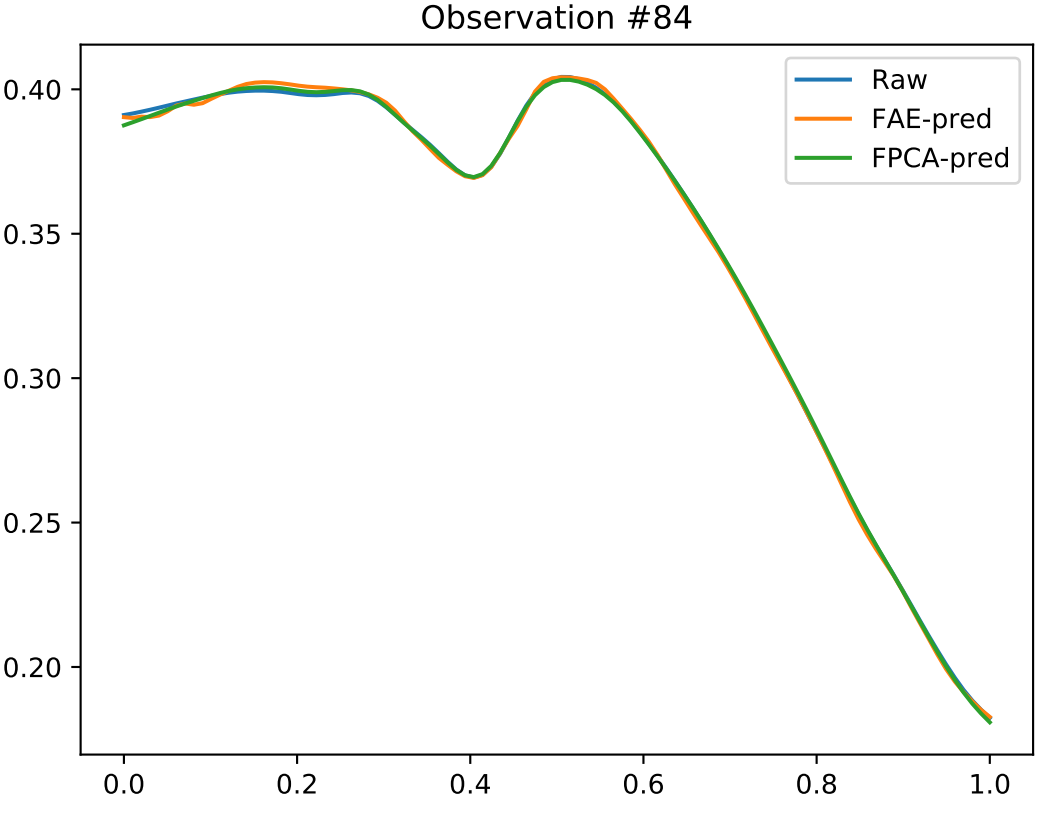

Observation #79
Raw
FAE-pred
FPCA-pred
0.85
0.80
0.75
0.70
0.65
0.0
0.2
0.4
0.6
0.8
1.0

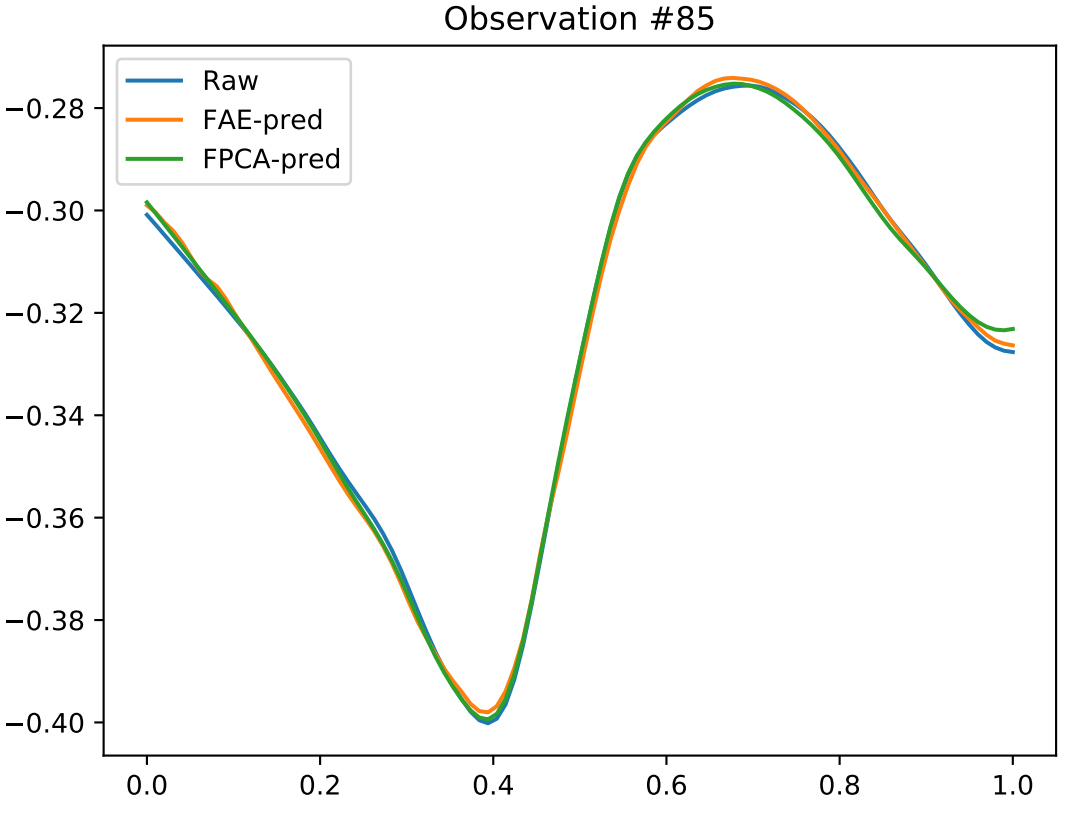

Observation #80
Raw
FAE-pred
FPCA-pred
0.42
0.41
0.40
0.39
0.38
0.37
0.36
0.35
0.0
0.2
0.4
0.6
0.8
1.0

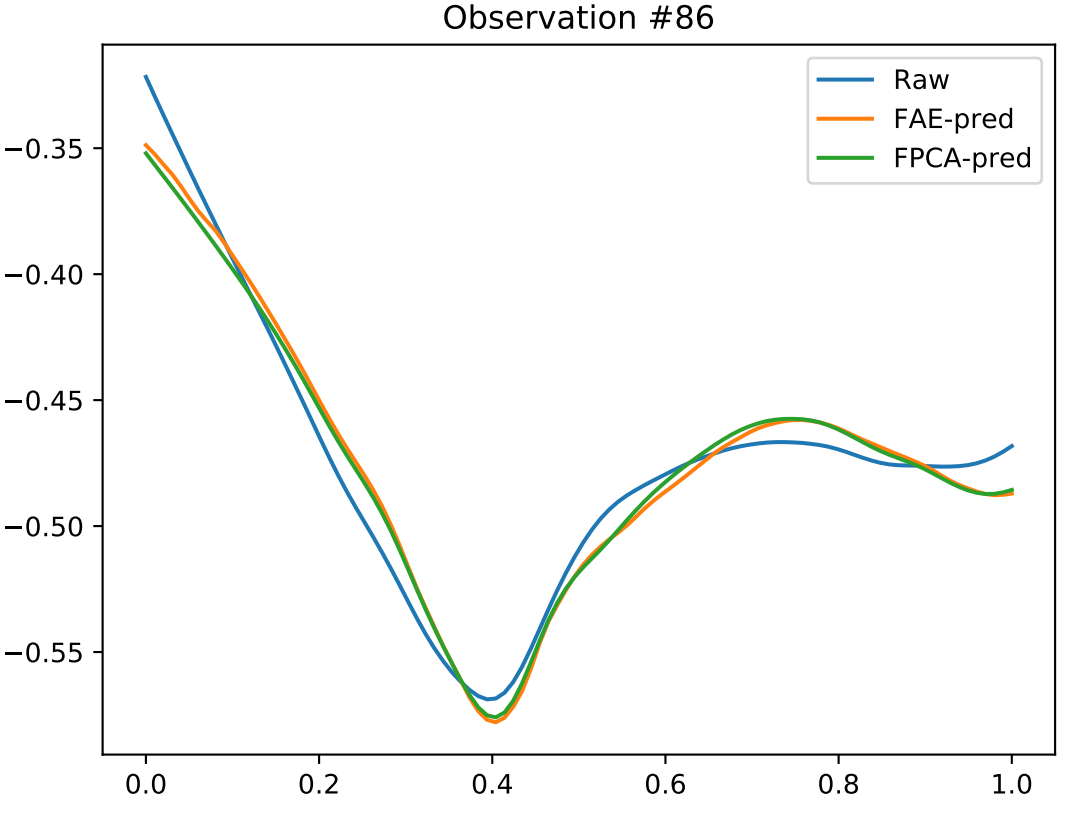

Observation #81
Raw
FAE-pred
FPCA-pred
0.48
0.46
0.44
0.42
0.40
0.0
0.2
0.4
0.6
0.8
1.0

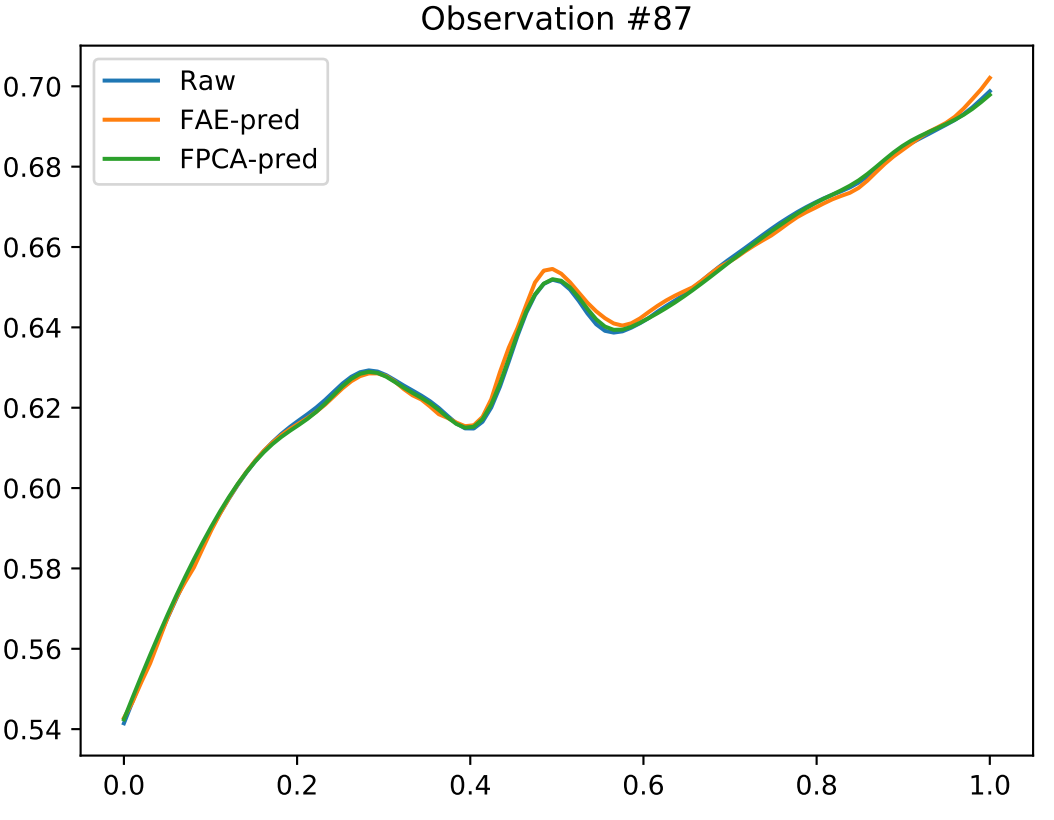

Observation #82
Raw
FAE-pred
FPCA-pred
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
0.0
0.2
0.4
0.6
0.8
1.0

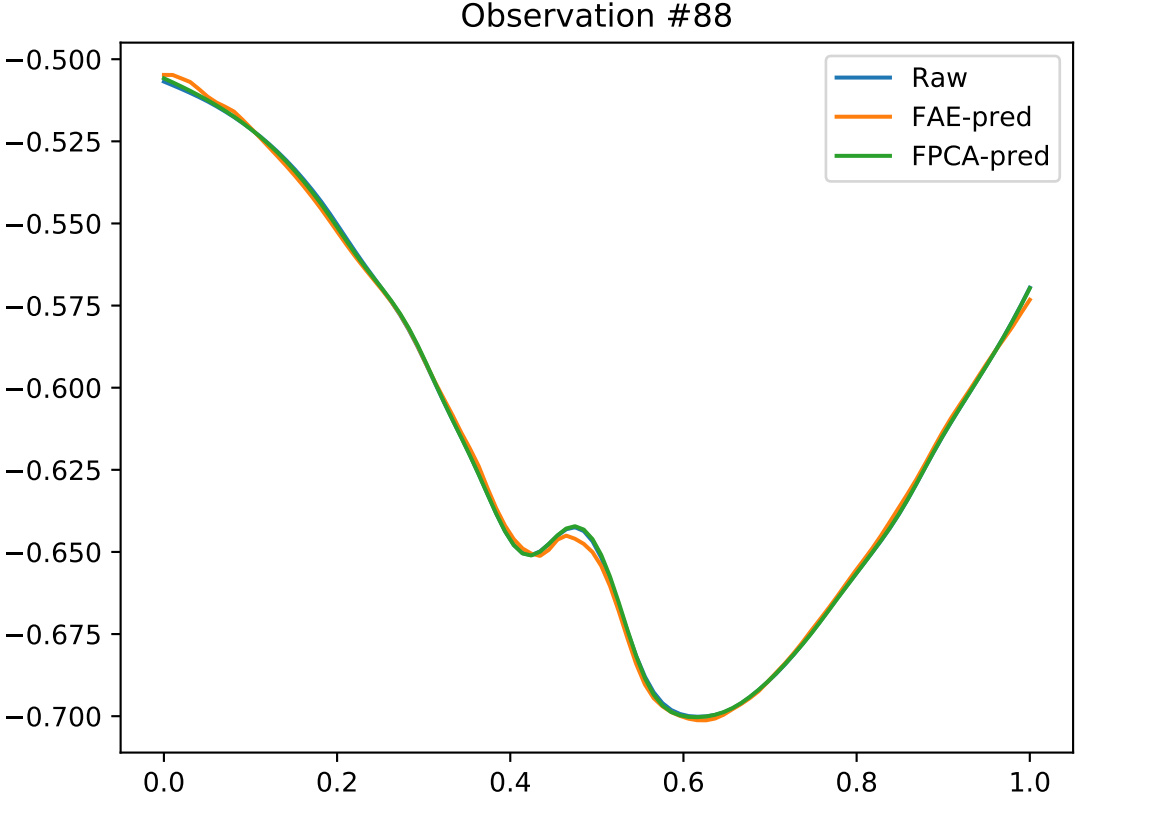

Observation #83
Raw
FAE-pred
FPCA-pred
0.025
0.000
−0.025
−0.050
−0.075
−0.100
−0.125
−0.150
0.0
0.2
0.4
0.6
0.8
1.0

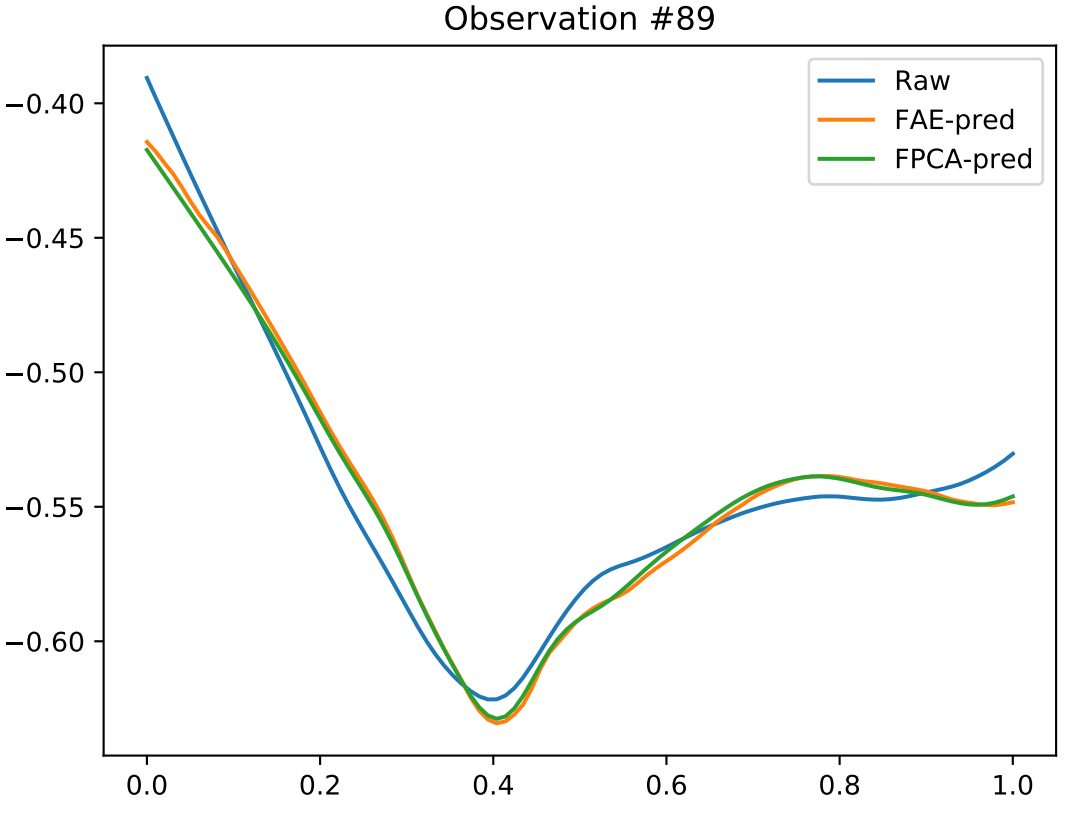

Observation #84
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.0
0.2
0.4
0.6
0.8
1.0

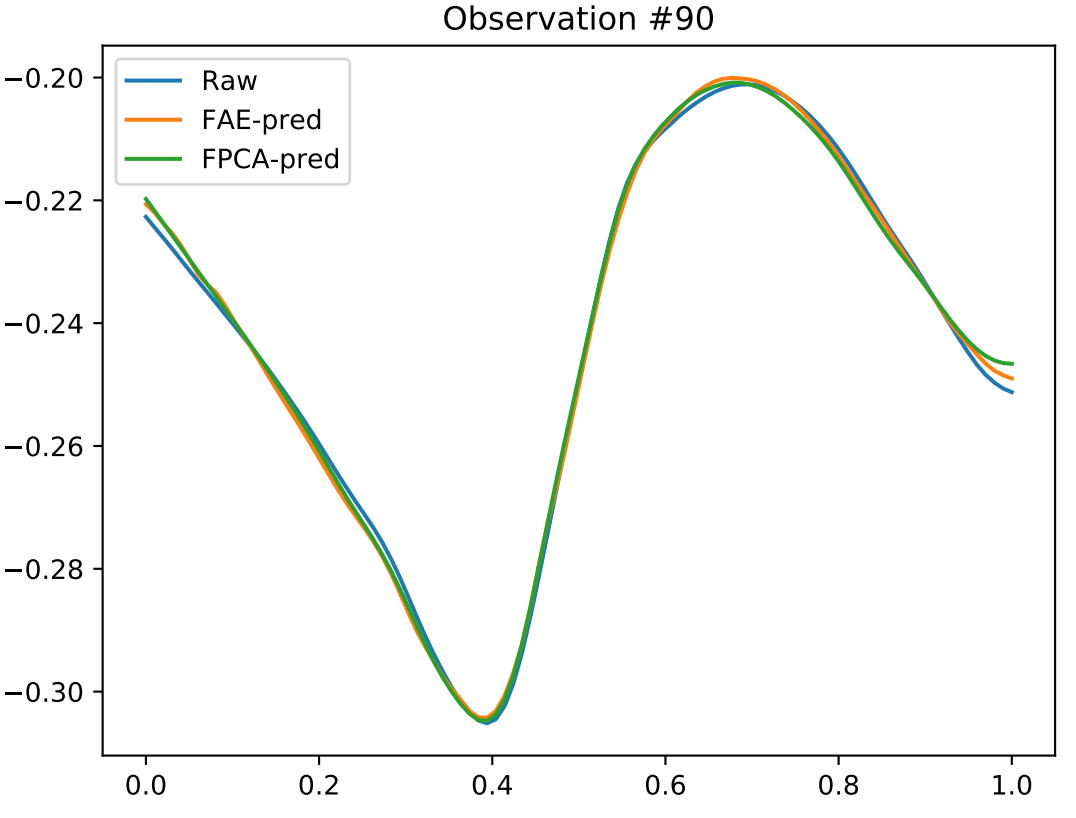

Observation #85
Raw
FAE-pred
FPCA-pred
−0.28
−0.30
−0.32
−0.34
−0.36
−0.38
−0.40
0.0
0.2
0.4
0.6
0.8
1.0

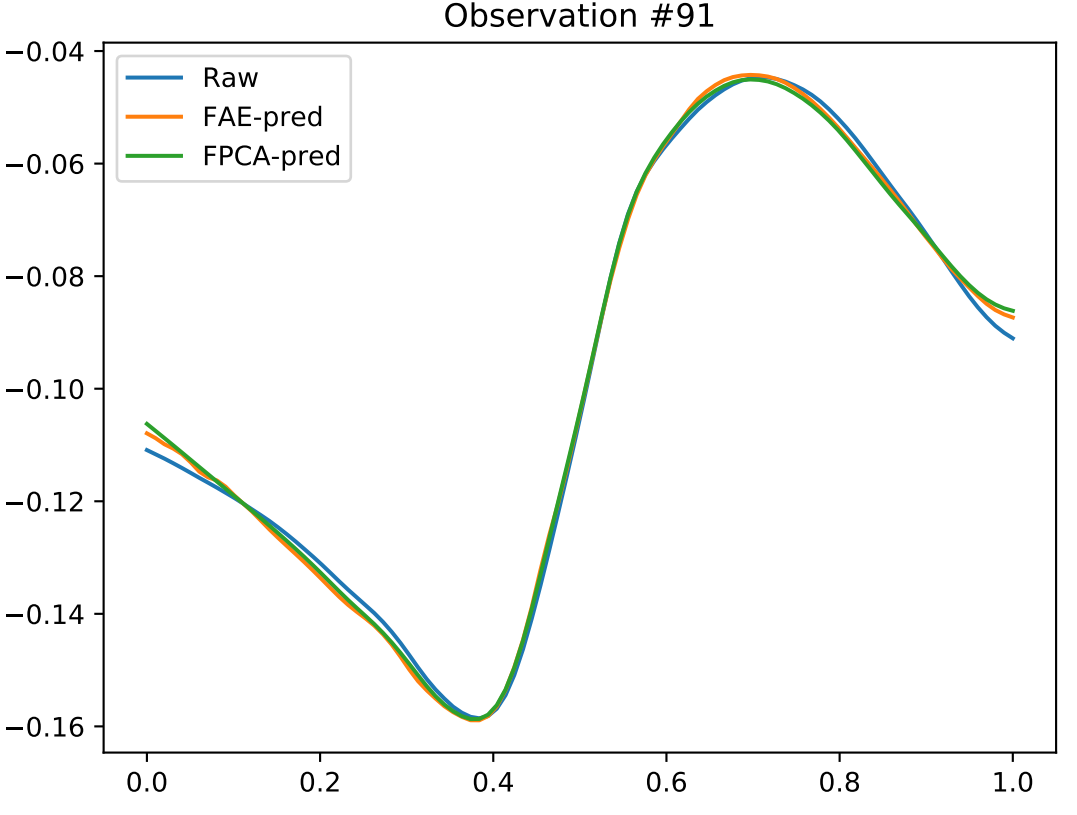

Observation #86
Raw
FAE-pred
FPCA-pred
−0.35
−0.40
−0.45
−0.50
−0.55
0.0
0.2
0.4
0.6
0.8
1.0

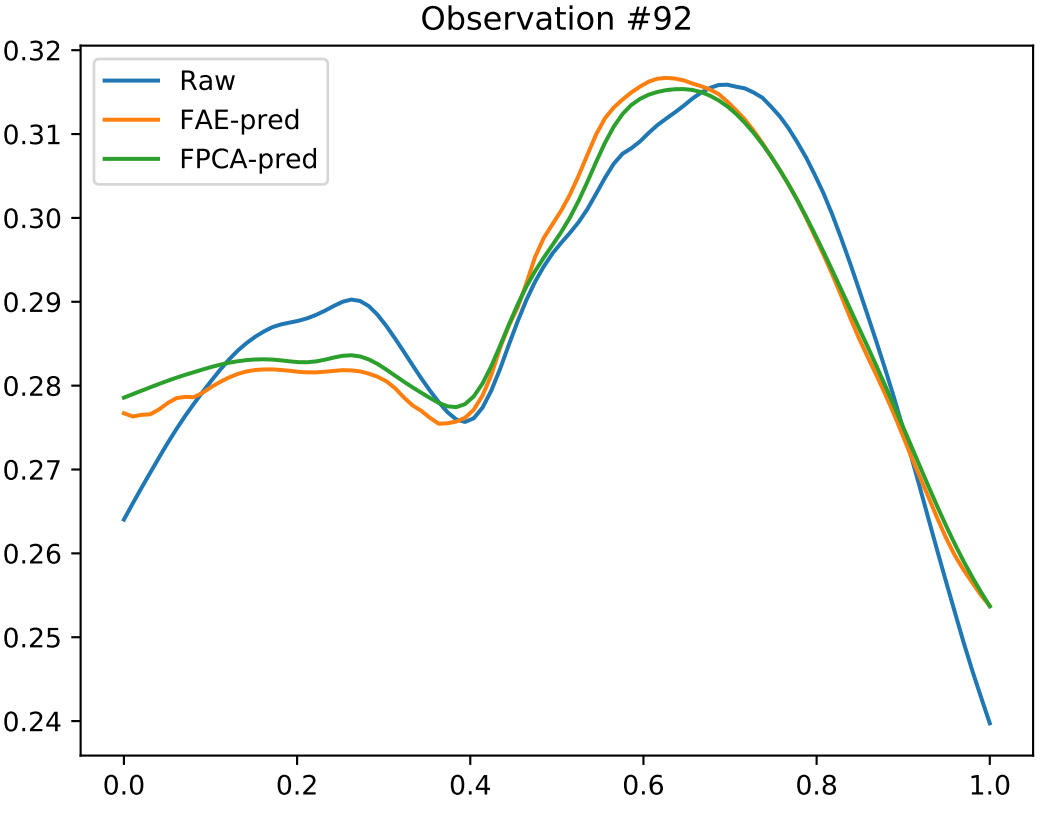

Observation #87
Raw
FAE-pred
FPCA-pred
0.70
0.68
0.66
0.64
0.62
0.60
0.58
0.56
0.54
0.0
0.2
0.4
0.6
0.8
1.0

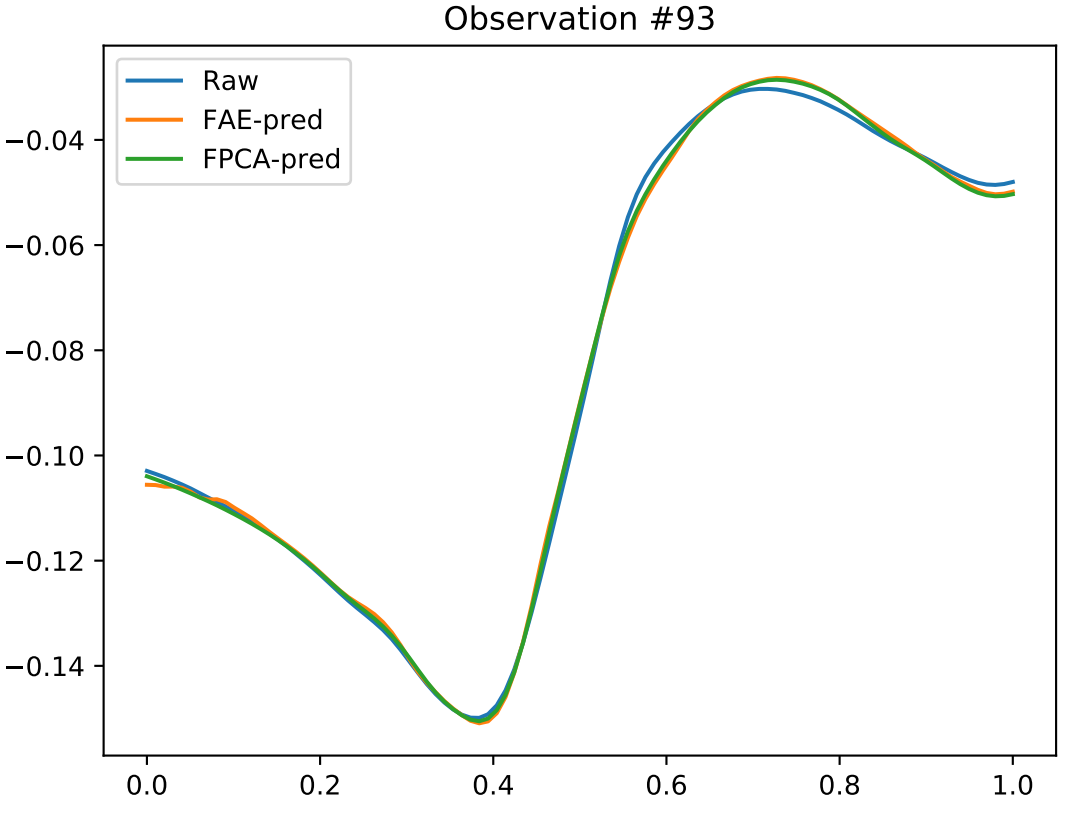

Observation #88
Raw
FAE-pred
FPCA-pred
−0.500
−0.525
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
0.0
0.2
0.4
0.6
0.8
1.0

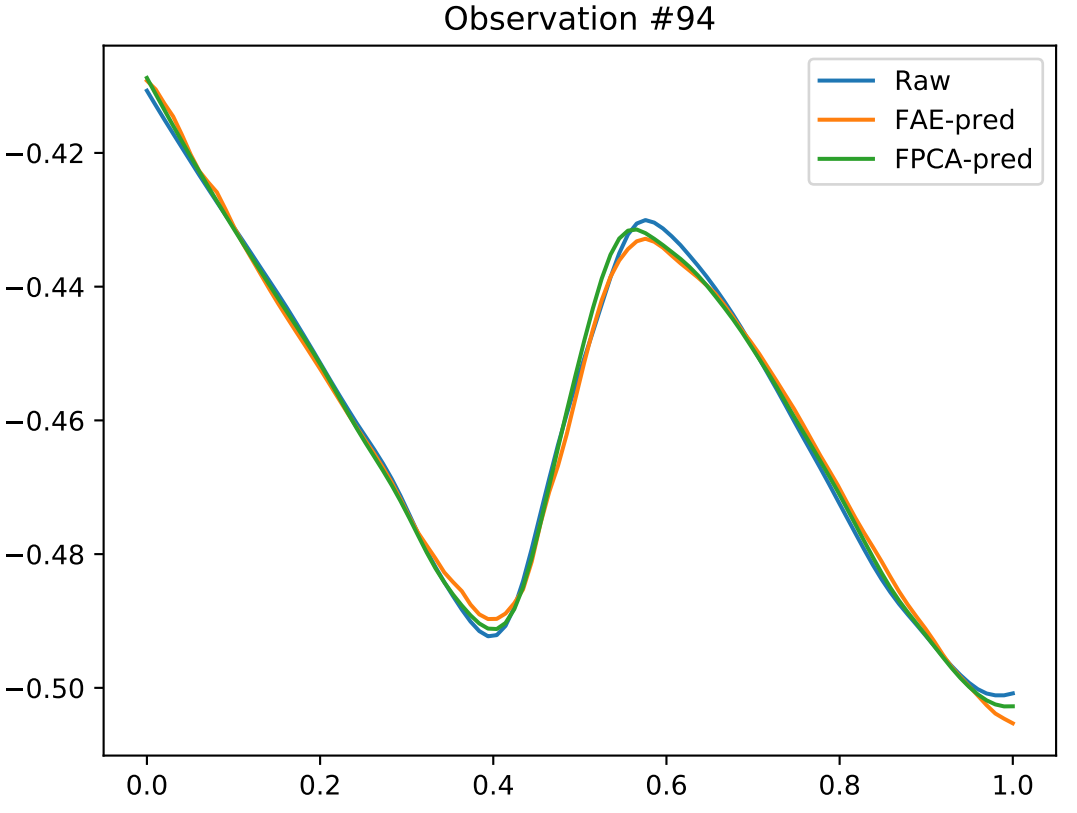

Observation #89
Raw
FAE-pred
FPCA-pred
−0.40
−0.45
−0.50
−0.55
−0.60
0.0
0.2
0.4
0.6
0.8
1.0

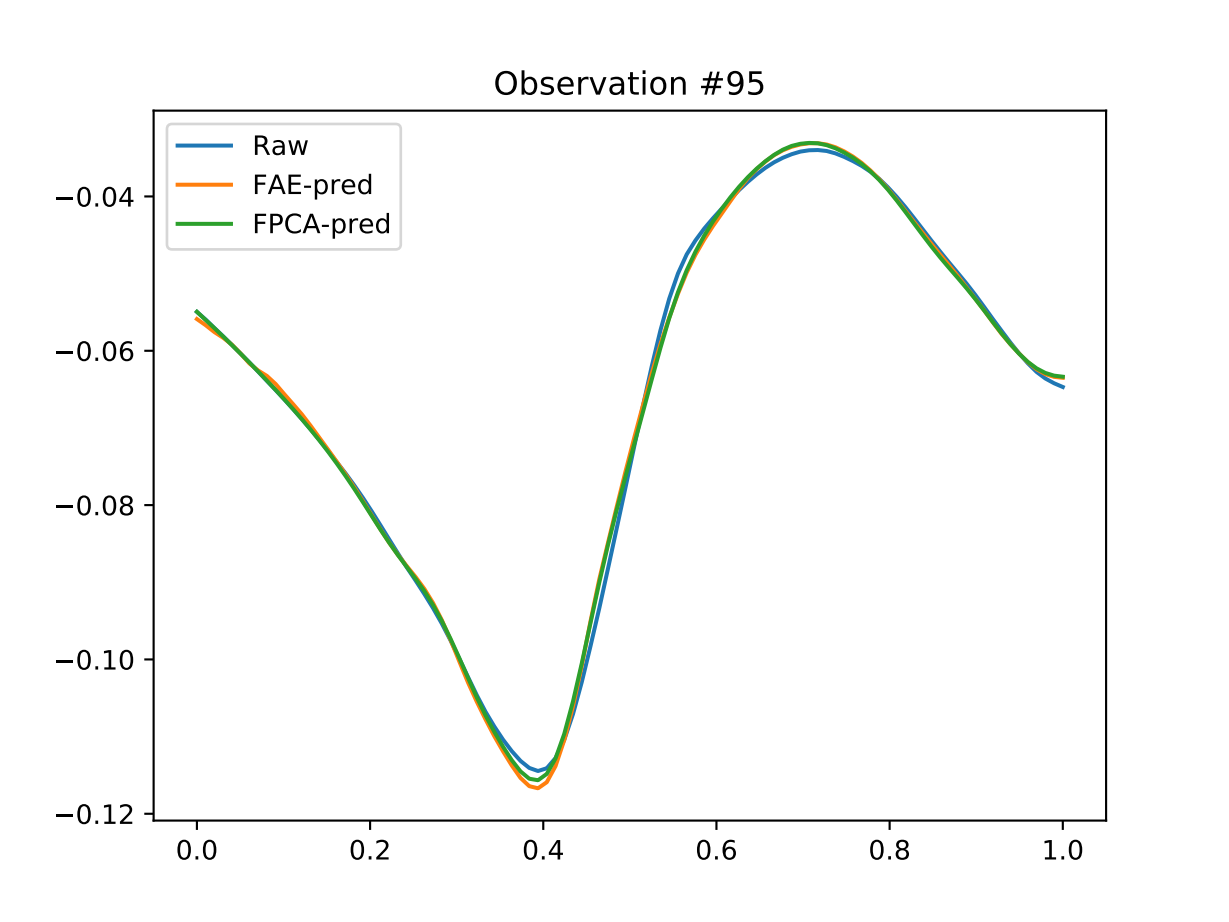

Observation #90
Raw
FAE-pred
FPCA-pred
−0.20
−0.22
−0.24
−0.26
−0.28
−0.30
0.0
0.2
0.4
0.6
0.8
1.0

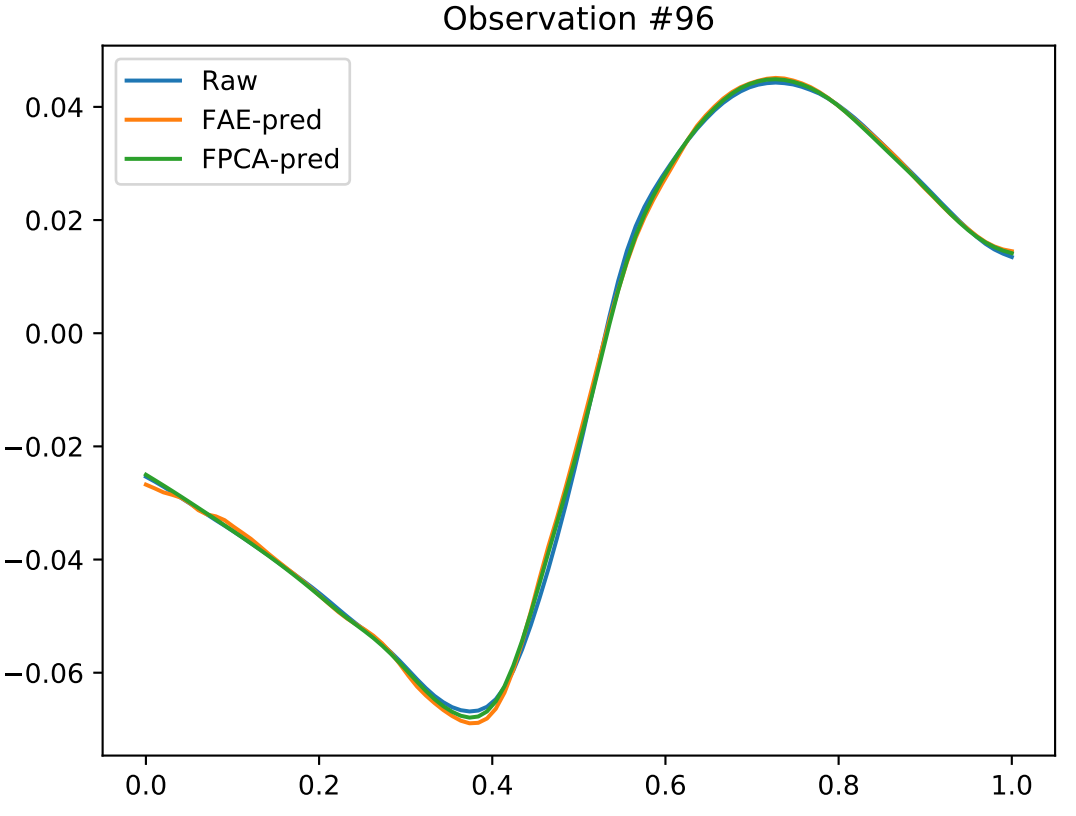

Observation #91
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
0.0
0.2
0.4
0.6
0.8
1.0

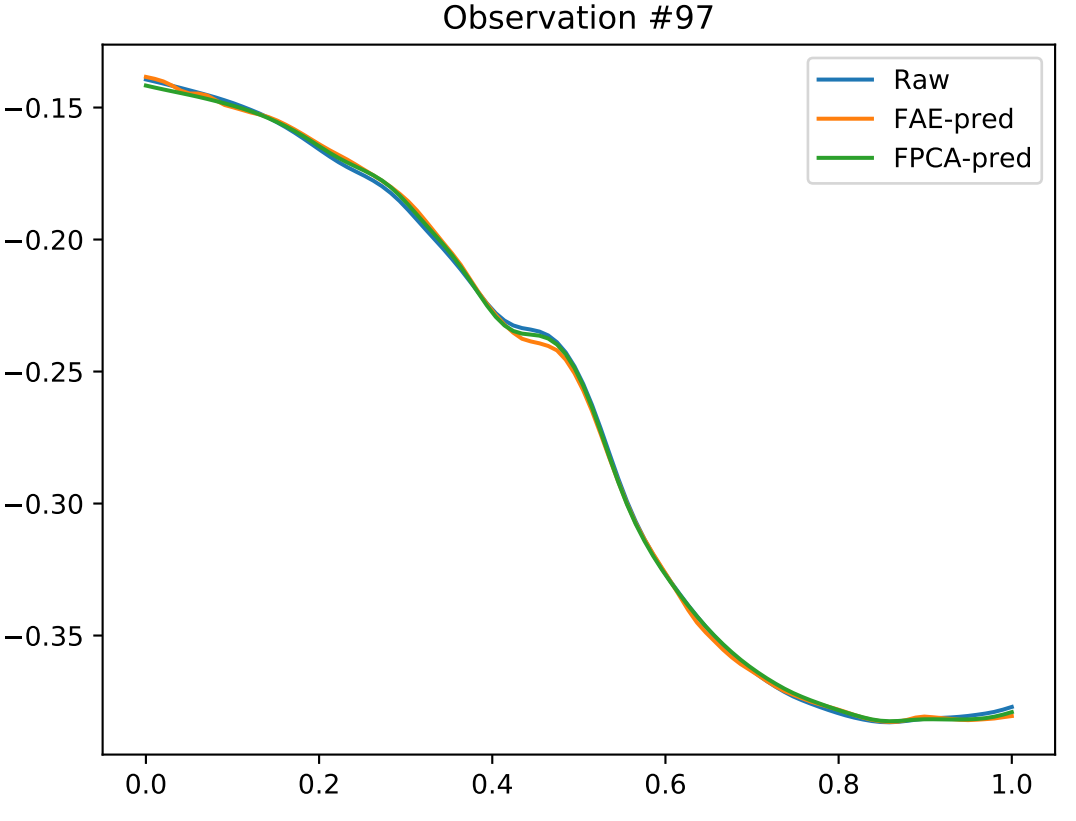

Observation #92
Raw
FAE-pred
FPCA-pred
0.32
0.31
0.30
0.29
0.28
0.27
0.26
0.25
0.24
0.0
0.2
0.4
0.6
0.8
1.0

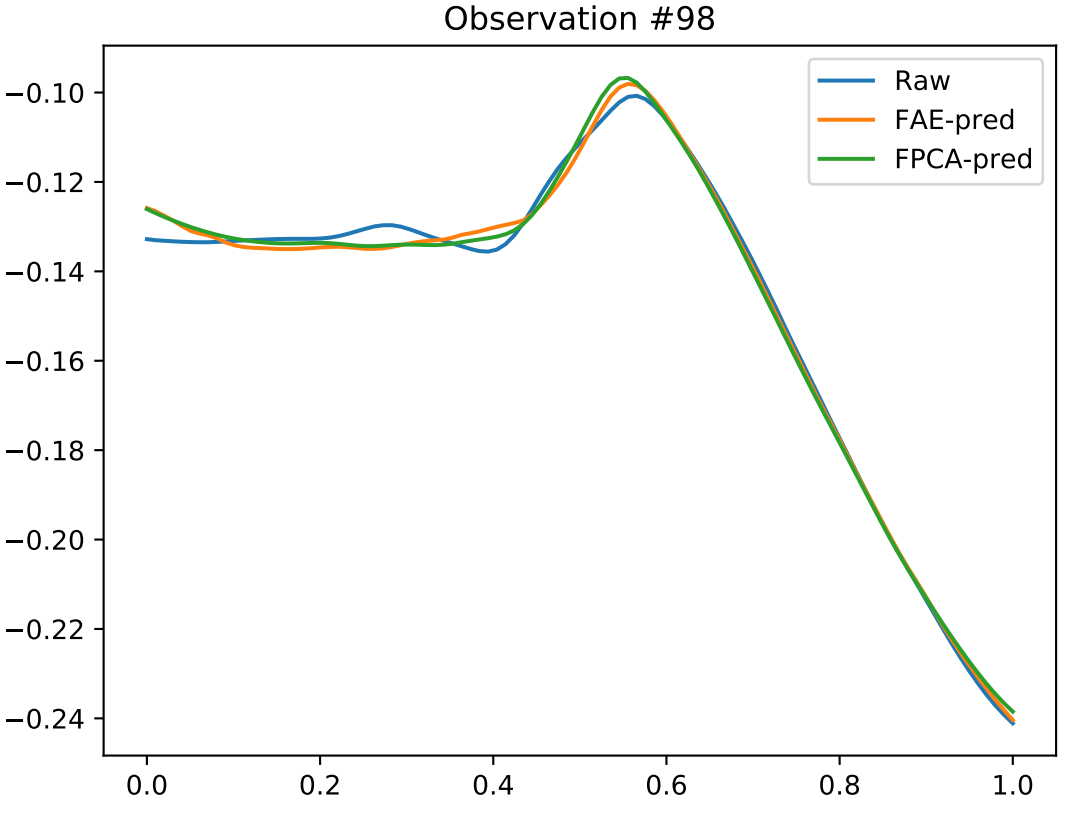

Observation #93
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
0.0
0.2
0.4
0.6
0.8
1.0

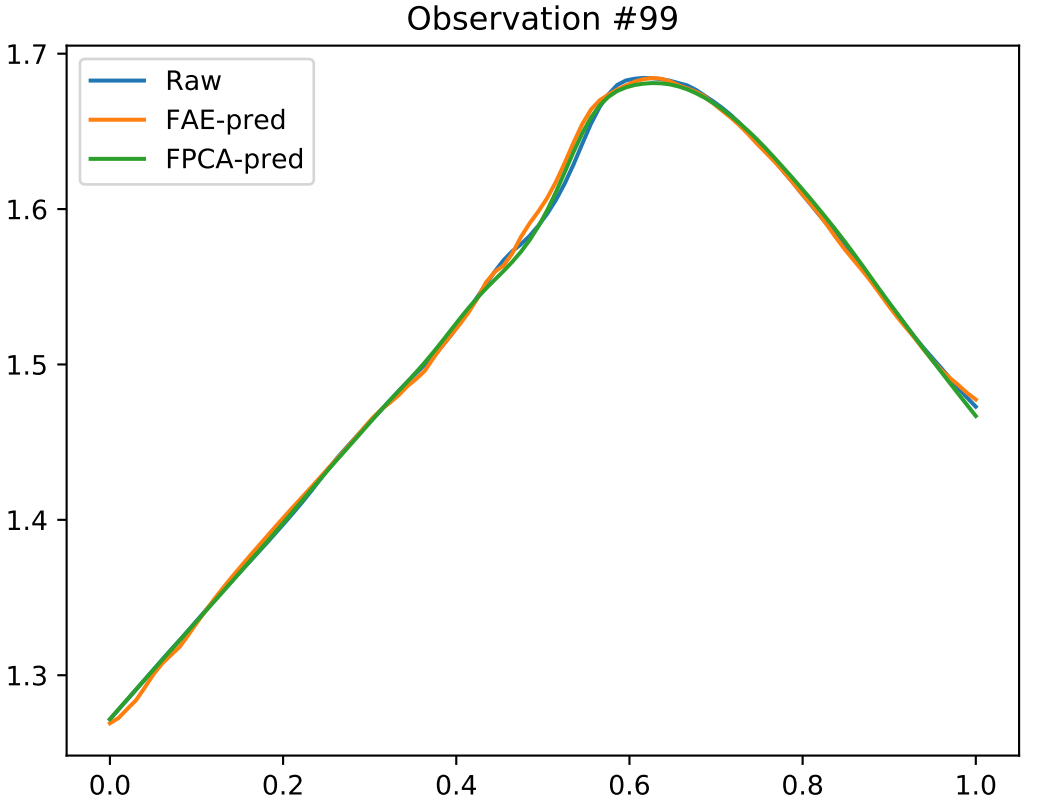

Observation #94
Raw
FAE-pred
FPCA-pred
−0.42
−0.44
−0.46
−0.48
−0.50
0.0
0.2
0.4
0.6
0.8
1.0

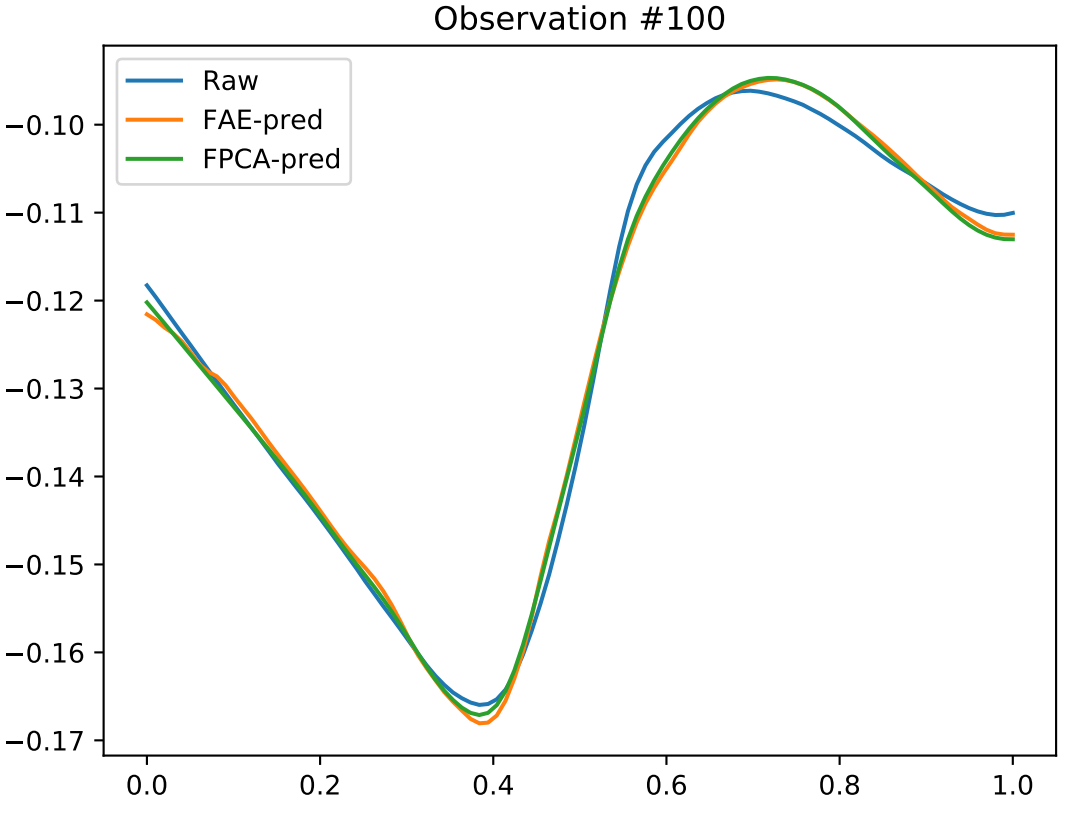

Observation #95
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
0.0
0.2
0.4
0.6
0.8
1.0

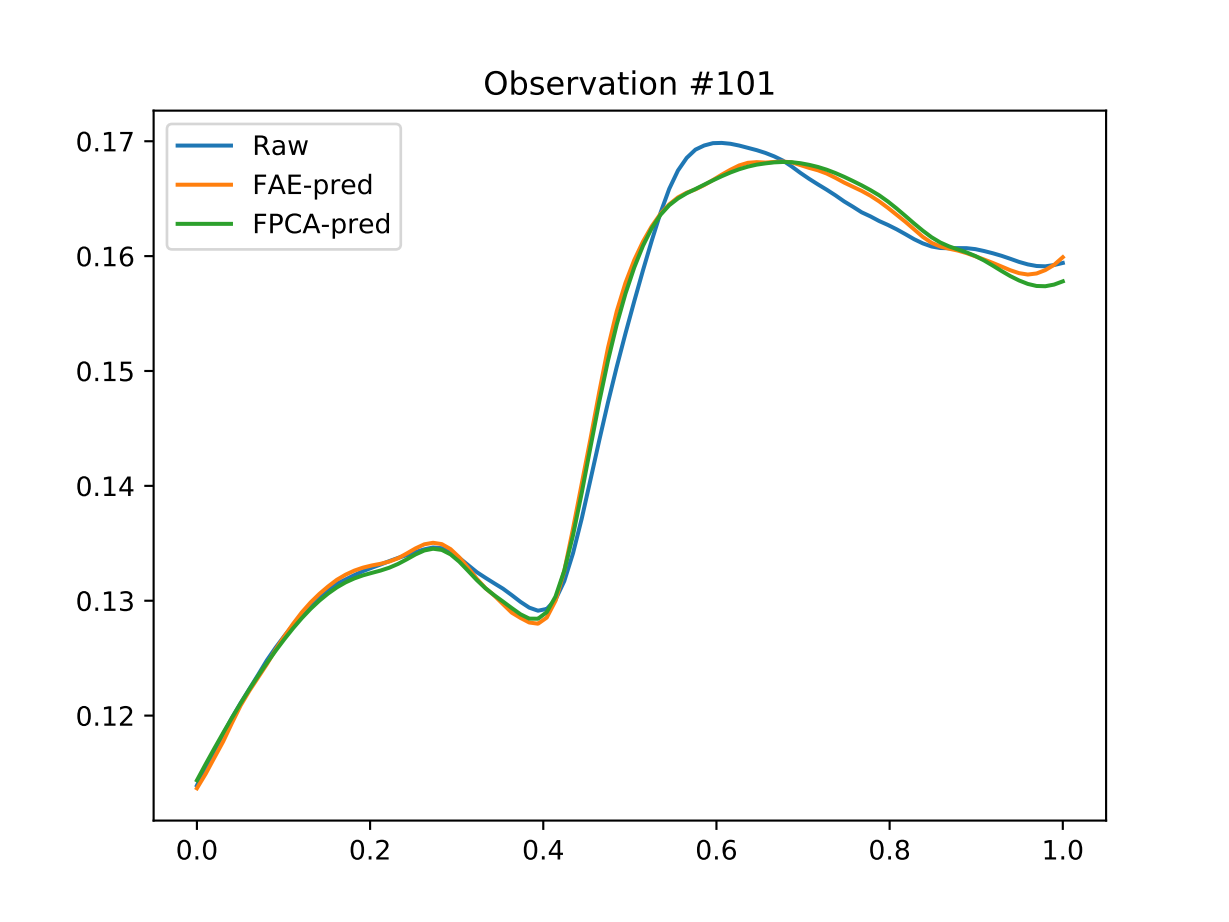

Observation #96
Raw
FAE-pred
FPCA-pred
0.04
0.02
0.00
−0.02
−0.04
−0.06
0.0
0.2
0.4
0.6
0.8
1.0

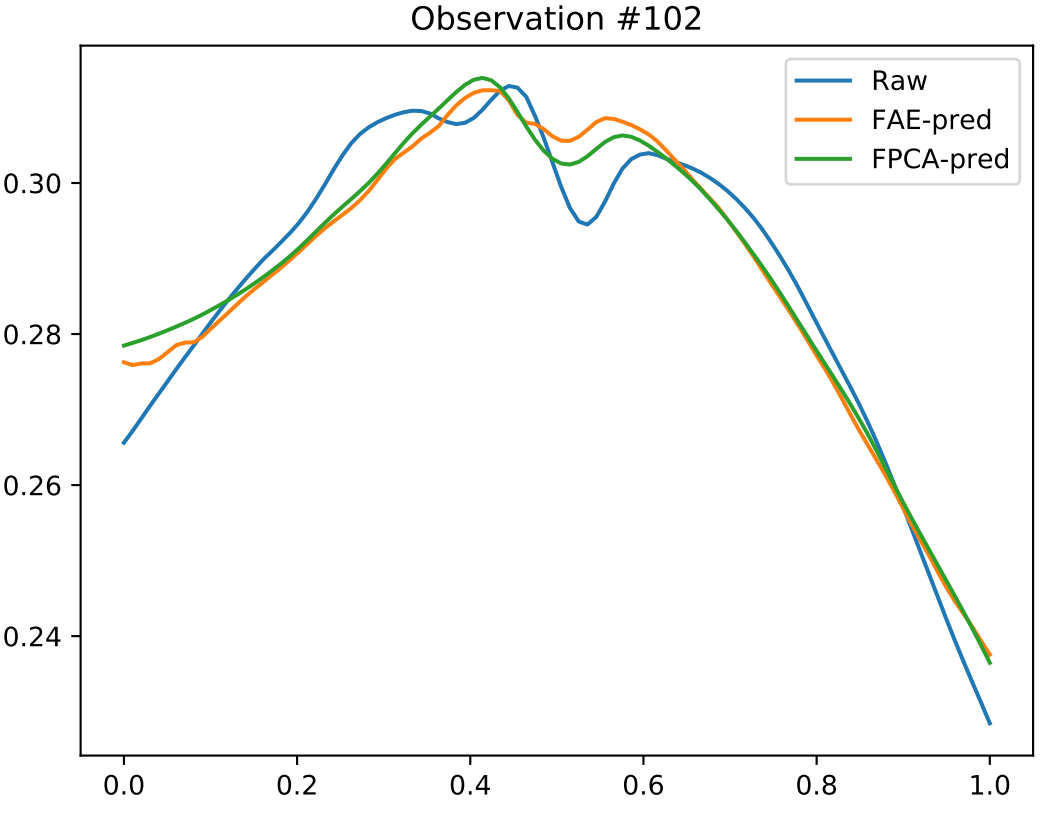

Observation #97
Raw
FAE-pred
FPCA-pred
−0.15
−0.20
−0.25
−0.30
−0.35
0.0
0.2
0.4
0.6
0.8
1.0

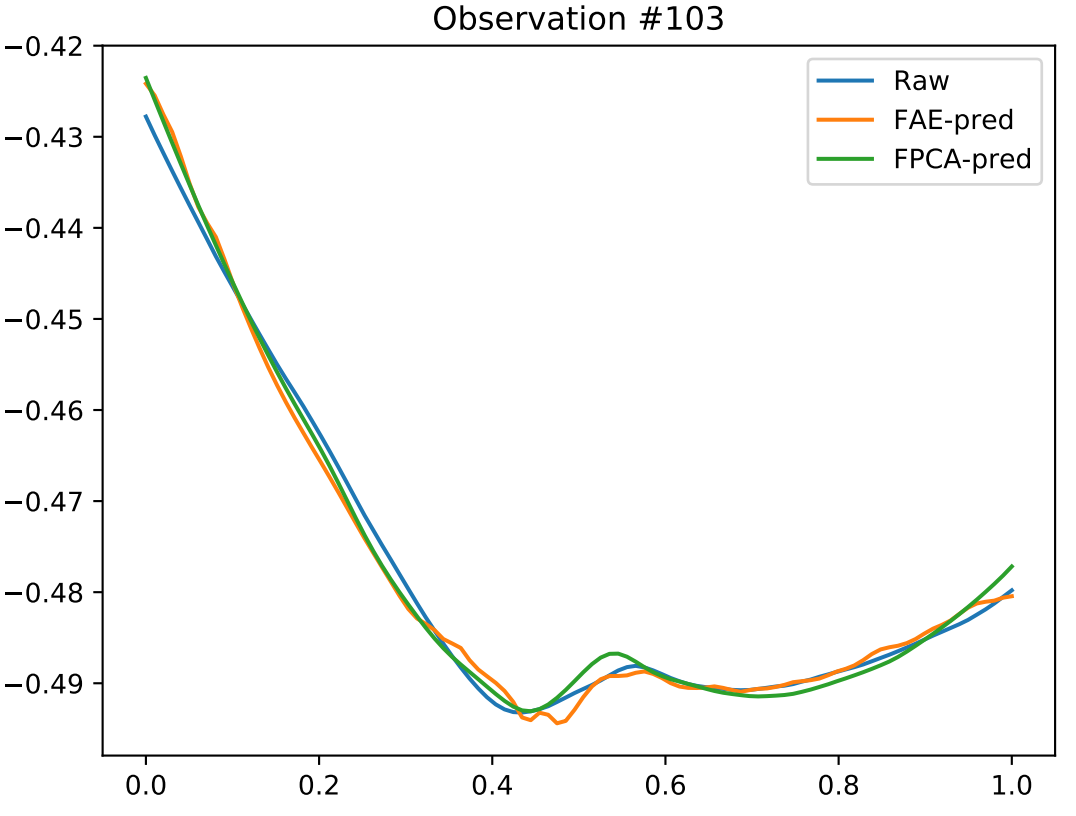

Observation #98
Raw
FAE-pred
FPCA-pred
−0.10
−0.12
−0.14
−0.16
−0.18
−0.20
−0.22
−0.24
0.0
0.2
0.4
0.6
0.8
1.0

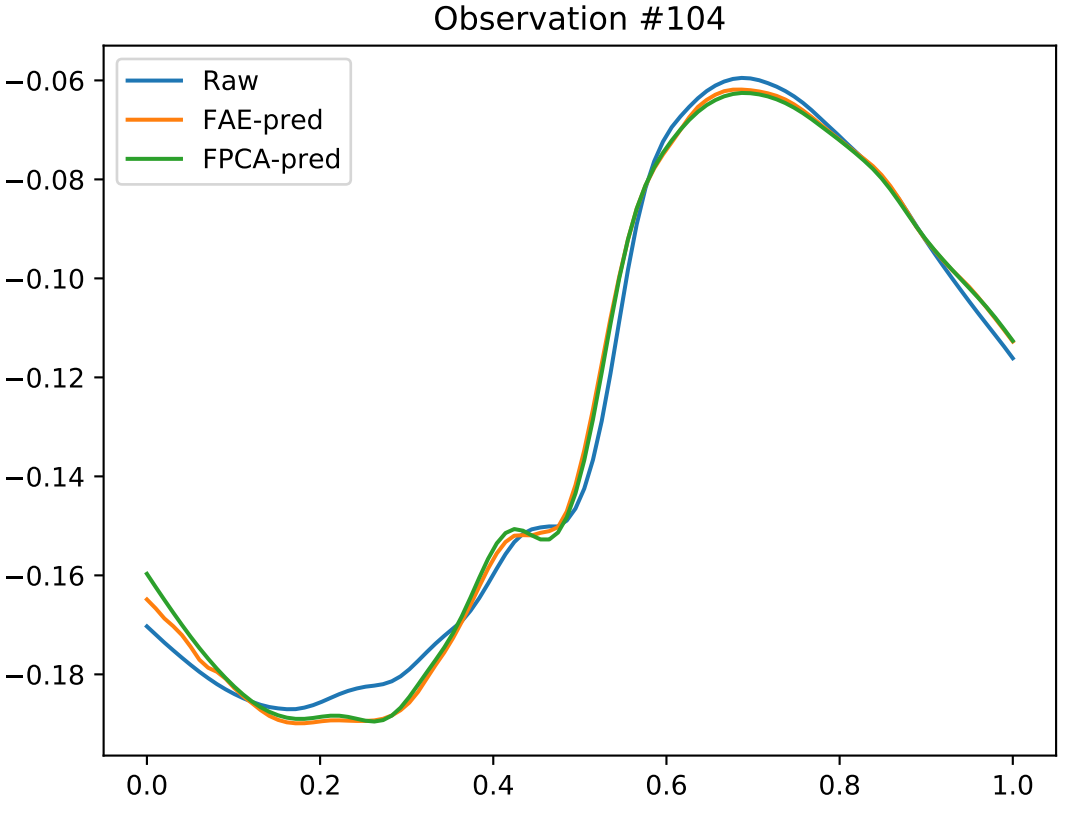

Observation #99
Raw
FAE-pred
FPCA-pred
1.7
1.6
1.5
1.4
1.3
0.0
0.2
0.4
0.6
0.8
1.0

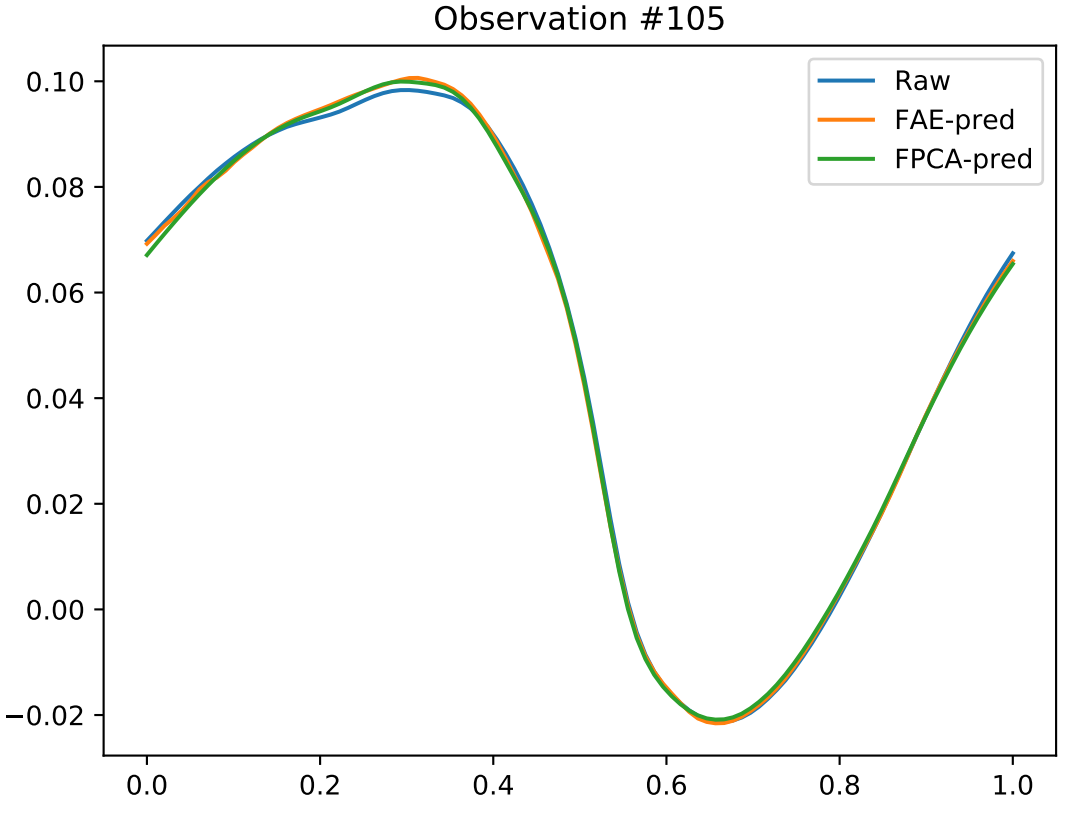

Observation #100
Raw
FAE-pred
FPCA-pred
−0.10
−0.11
−0.12
−0.13
−0.14
−0.15
−0.16
−0.17
0.0
0.2
0.4
0.6
0.8
1.0

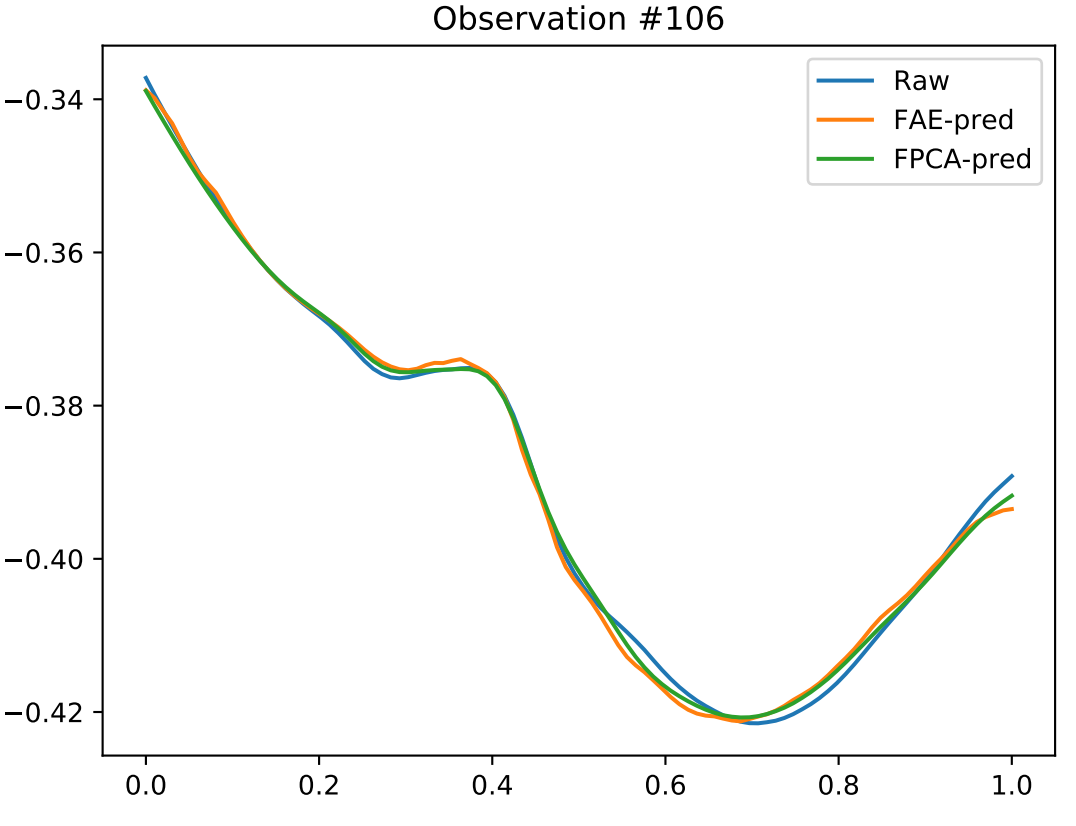

Observation #101
Raw
FAE-pred
FPCA-pred
0.17
0.16
0.15
0.14
0.13
0.12
0.0
0.2
0.4
0.6
0.8
1.0

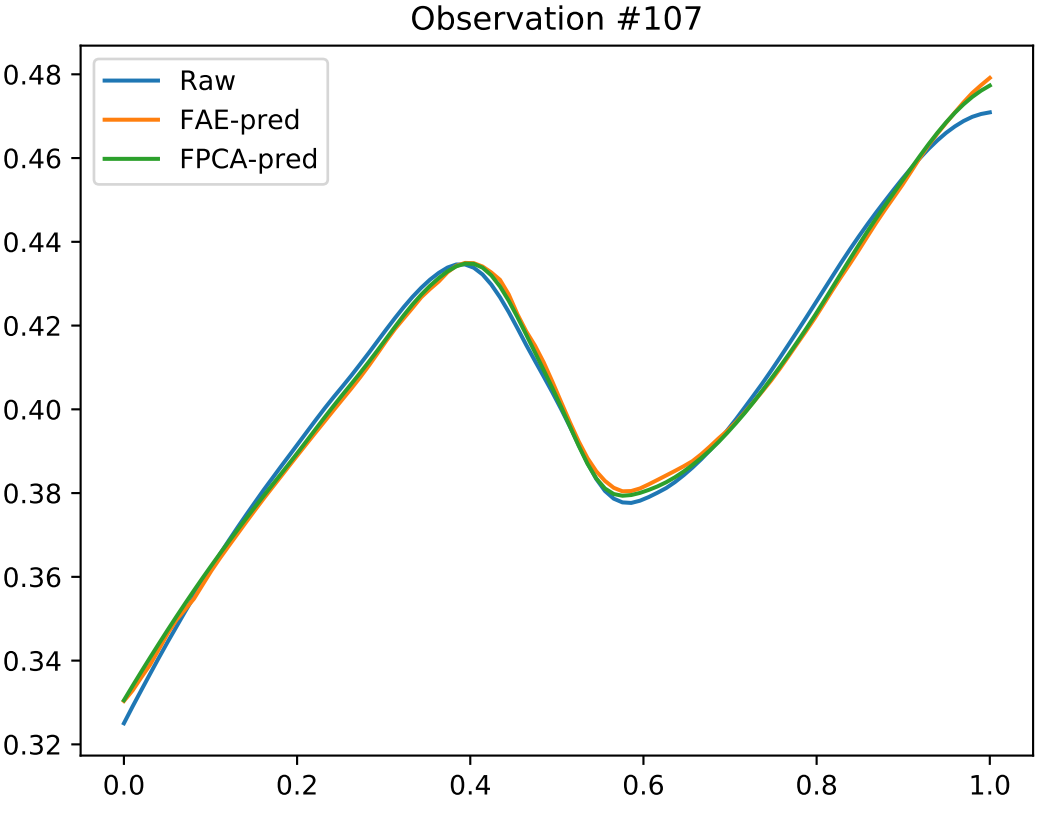

Observation #102
Raw
FAE-pred
FPCA-pred
0.30
0.28
0.26
0.24
0.0
0.2
0.4
0.6
0.8
1.0

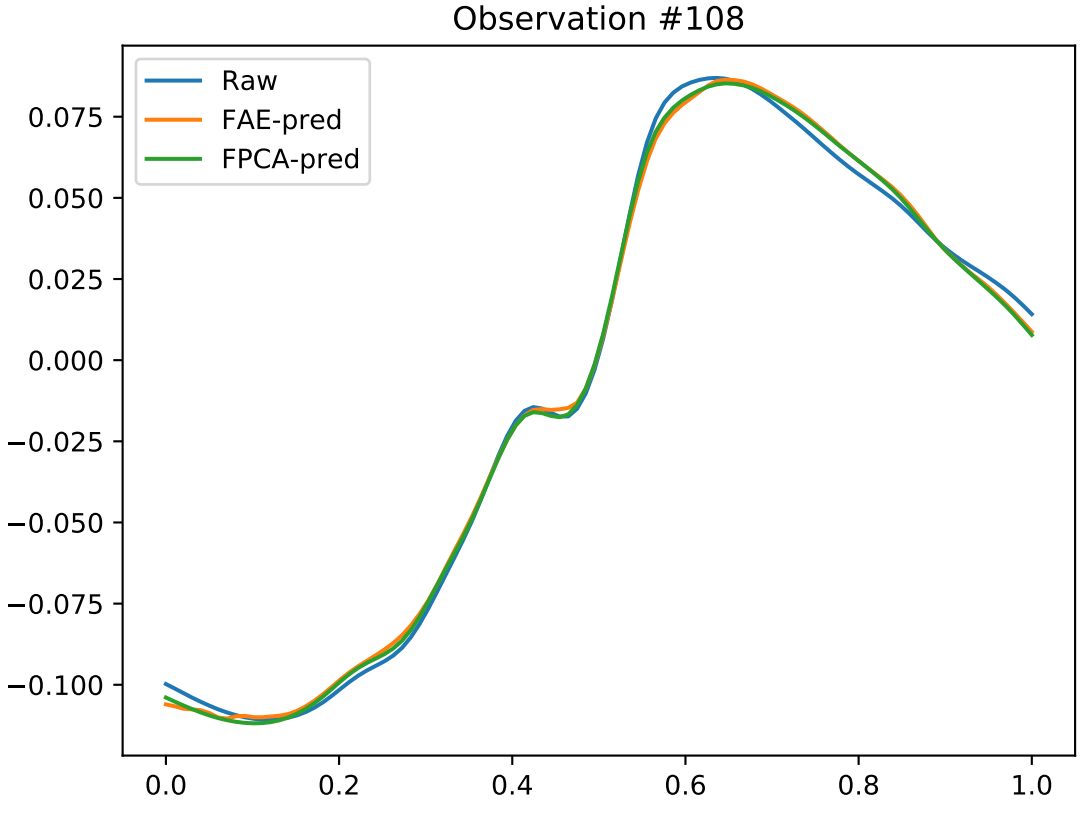

Observation #103
Raw
FAE-pred
FPCA-pred
−0.42
−0.43
−0.44
−0.45
−0.46
−0.47
−0.48
−0.49
0.0
0.2
0.4
0.6
0.8
1.0

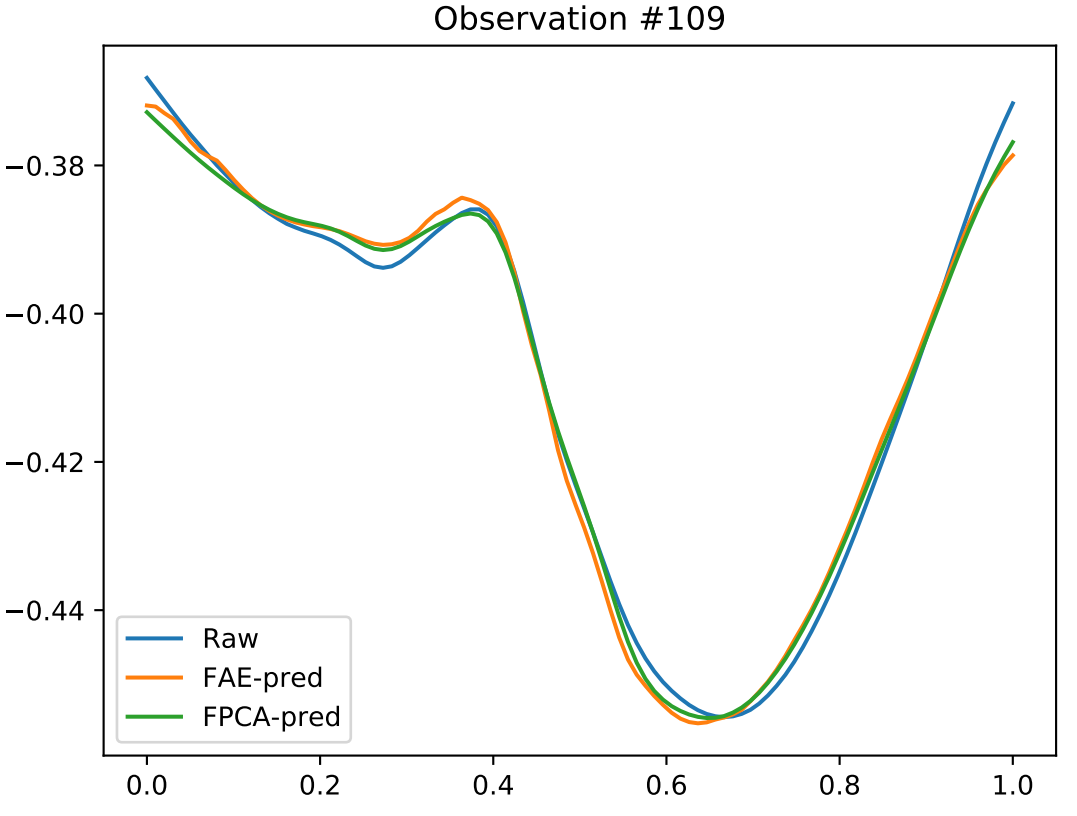

Observation #104
Raw
FAE-pred
FPCA-pred
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
0.0
0.2
0.4
0.6
0.8
1.0

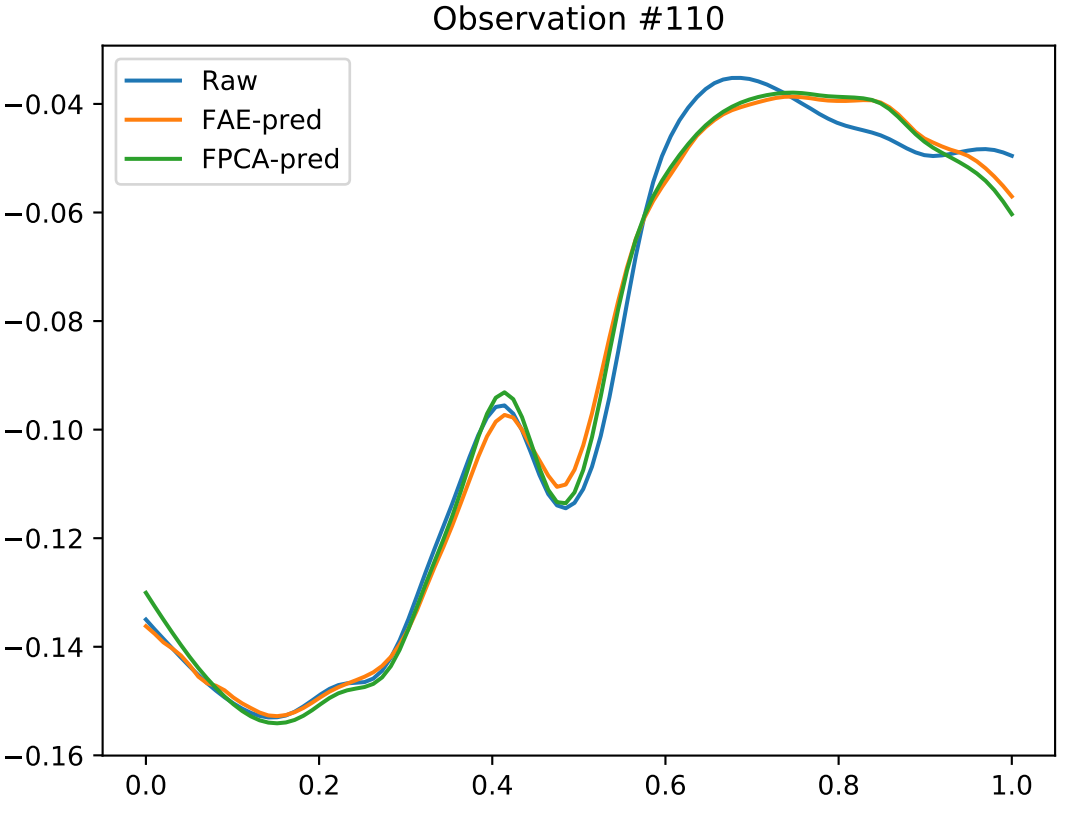

Observation #105
Raw
FAE-pred
FPCA-pred
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0.0
0.2
0.4
0.6
0.8
1.0

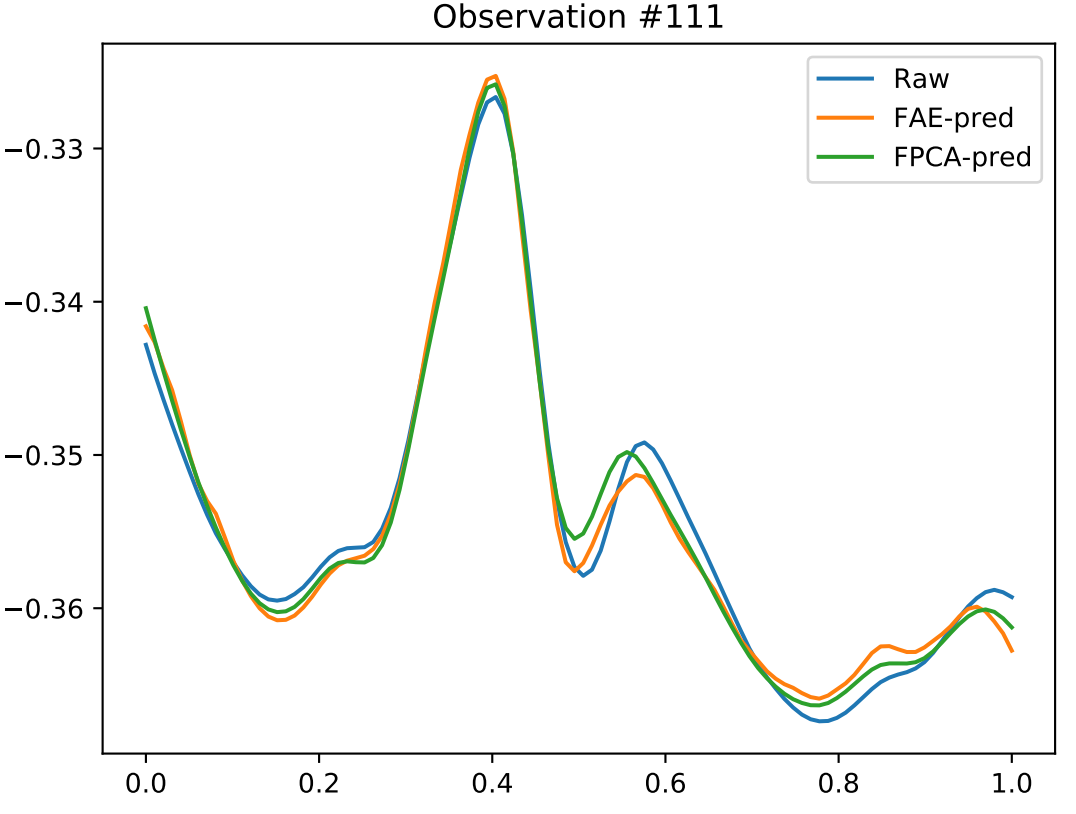

Observation #106
Raw
FAE-pred
FPCA-pred
−0.34
−0.36
−0.38
−0.40
−0.42
0.0
0.2
0.4
0.6
0.8
1.0

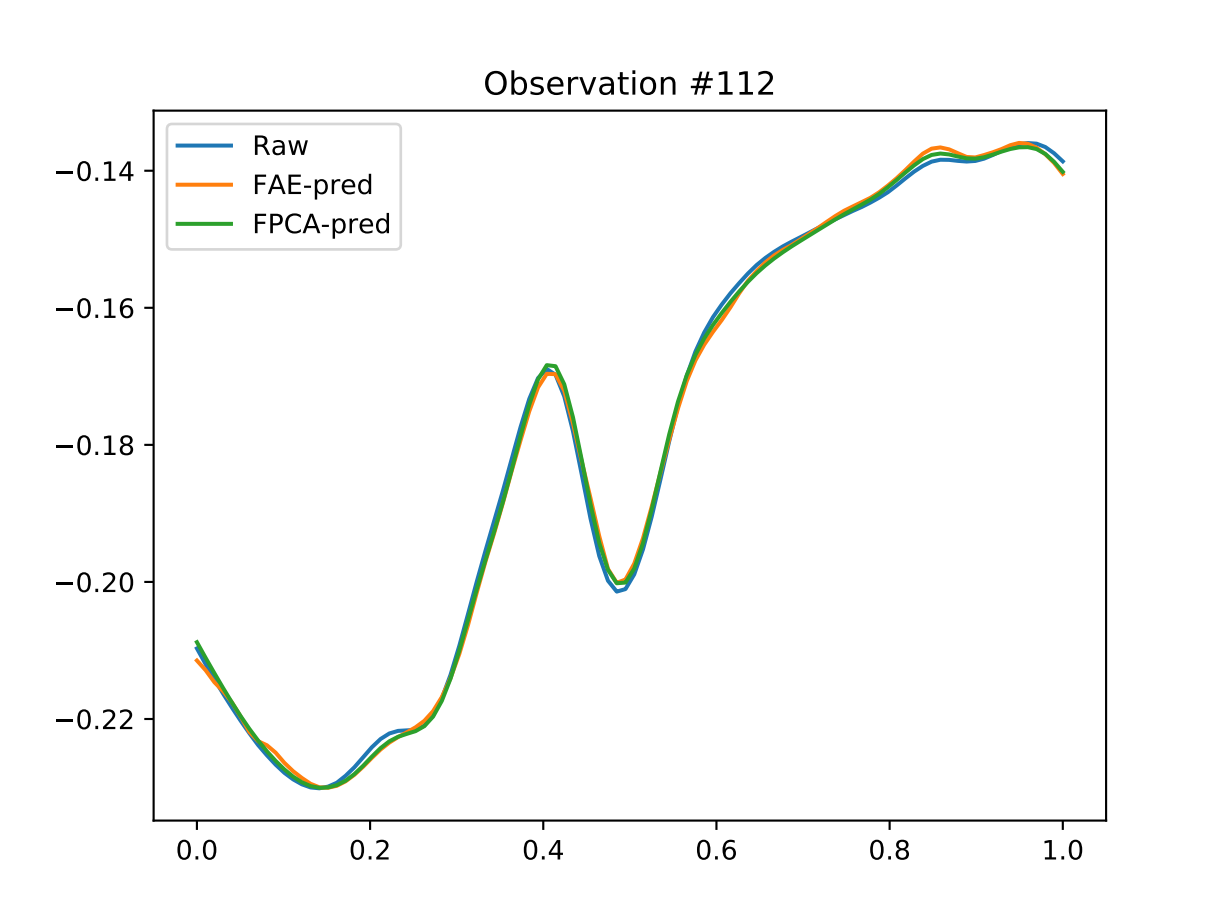

Observation #107
Raw
FAE-pred
FPCA-pred
0.48
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0.32
0.0
0.2
0.4
0.6
0.8
1.0

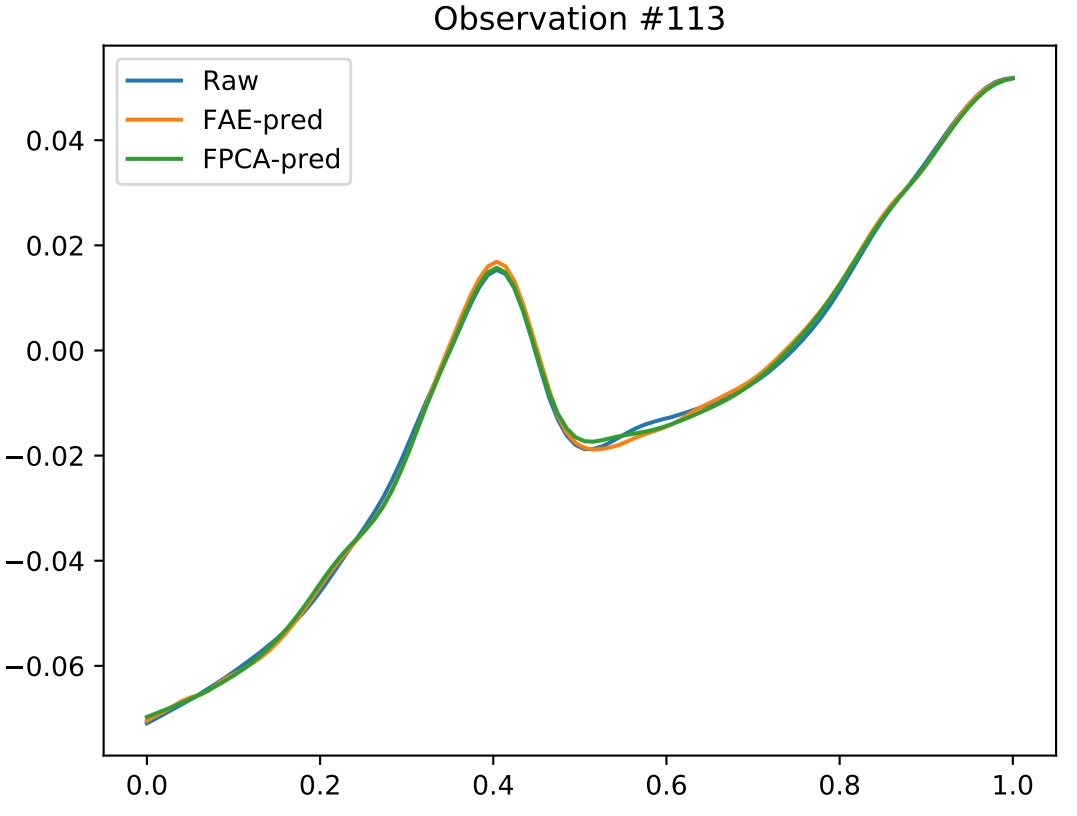

Observation #108
Raw
FAE-pred
FPCA-pred
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100
0.0
0.2
0.4
0.6
0.8
1.0

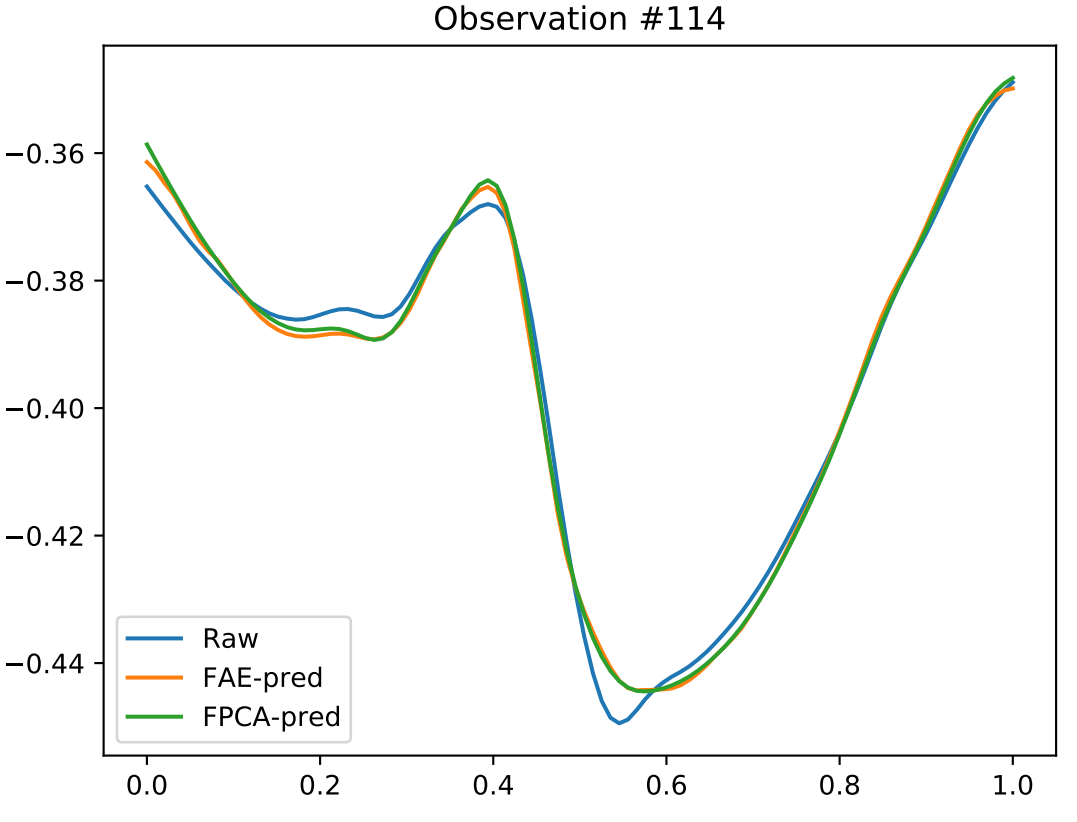

Observation #109
−0.38
−0.40
−0.42
−0.44
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

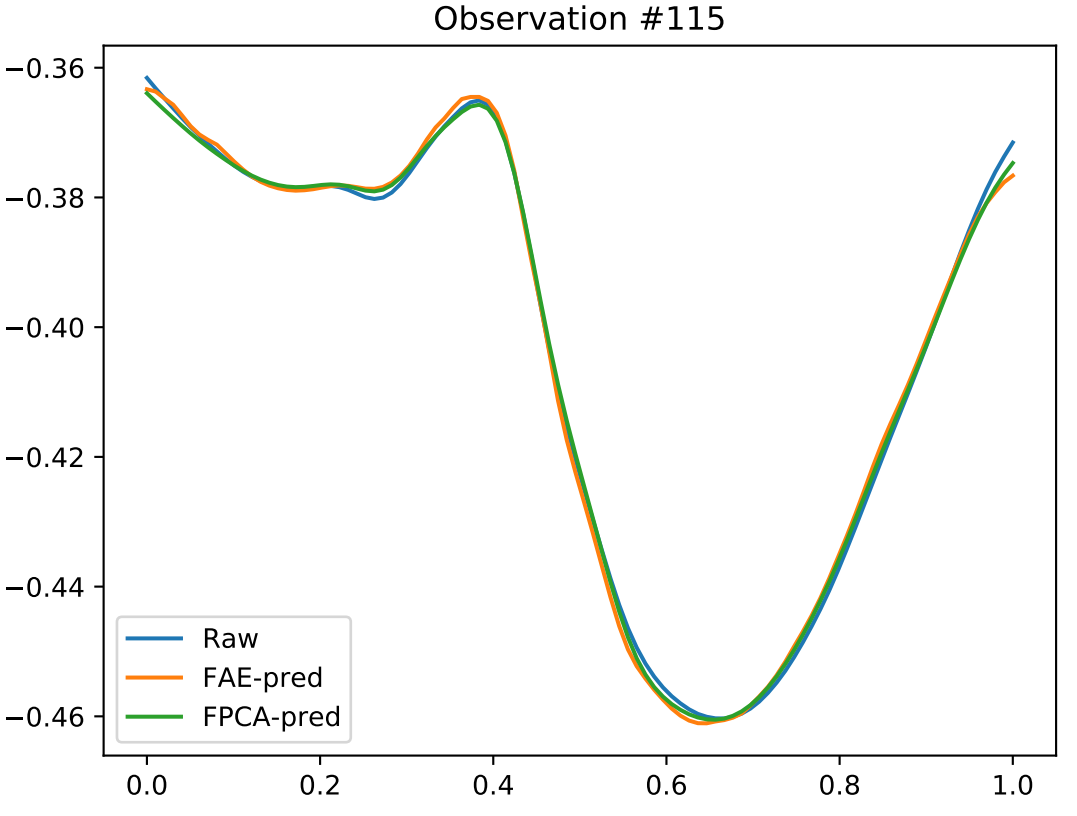

Observation #110
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
0.0
0.2
0.4
0.6
0.8
1.0

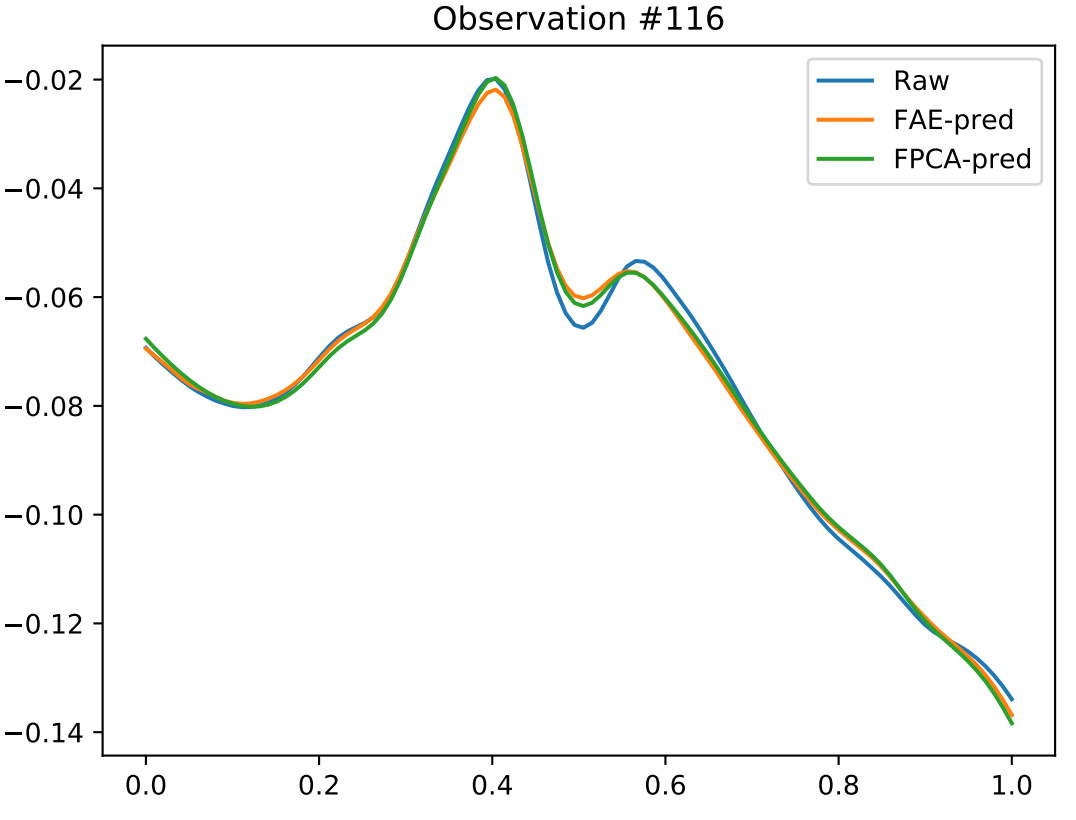

Observation #111
Raw
FAE-pred
FPCA-pred
−0.33
−0.34
−0.35
−0.36
0.0
0.2
0.4
0.6
0.8
1.0

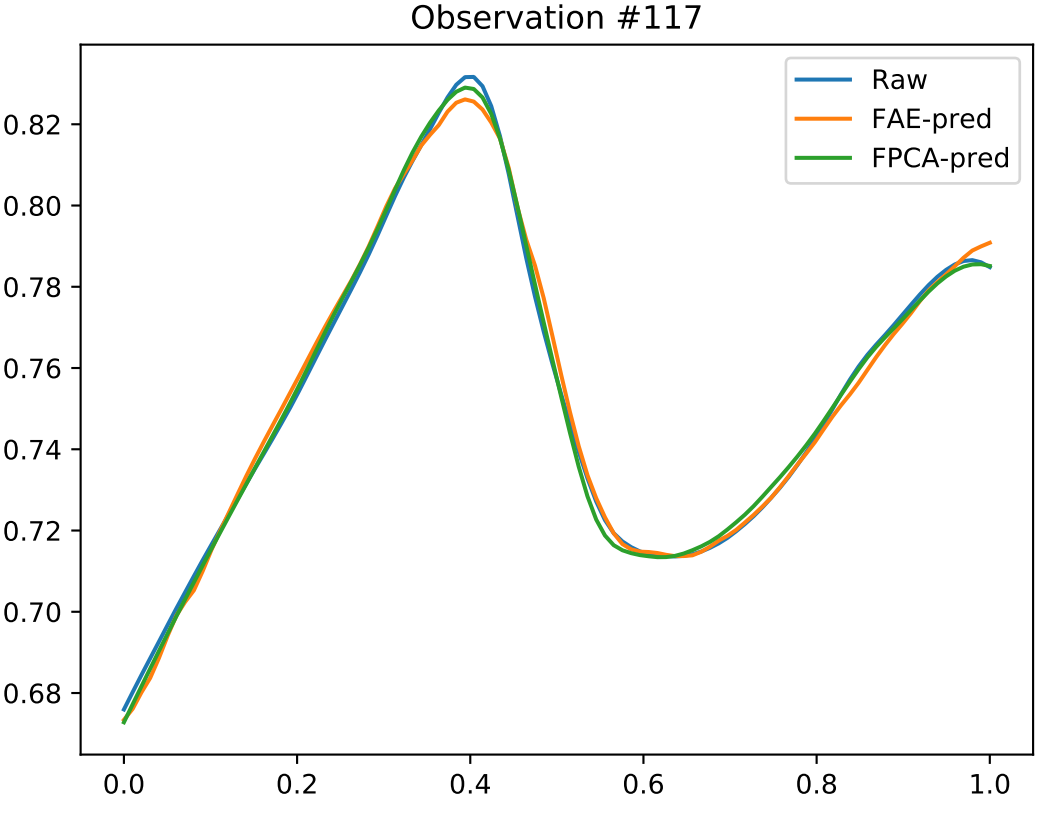

Observation #112
Raw
FAE-pred
FPCA-pred
−0.14
−0.16
−0.18
−0.20
−0.22
0.0
0.2
0.4
0.6
0.8
1.0

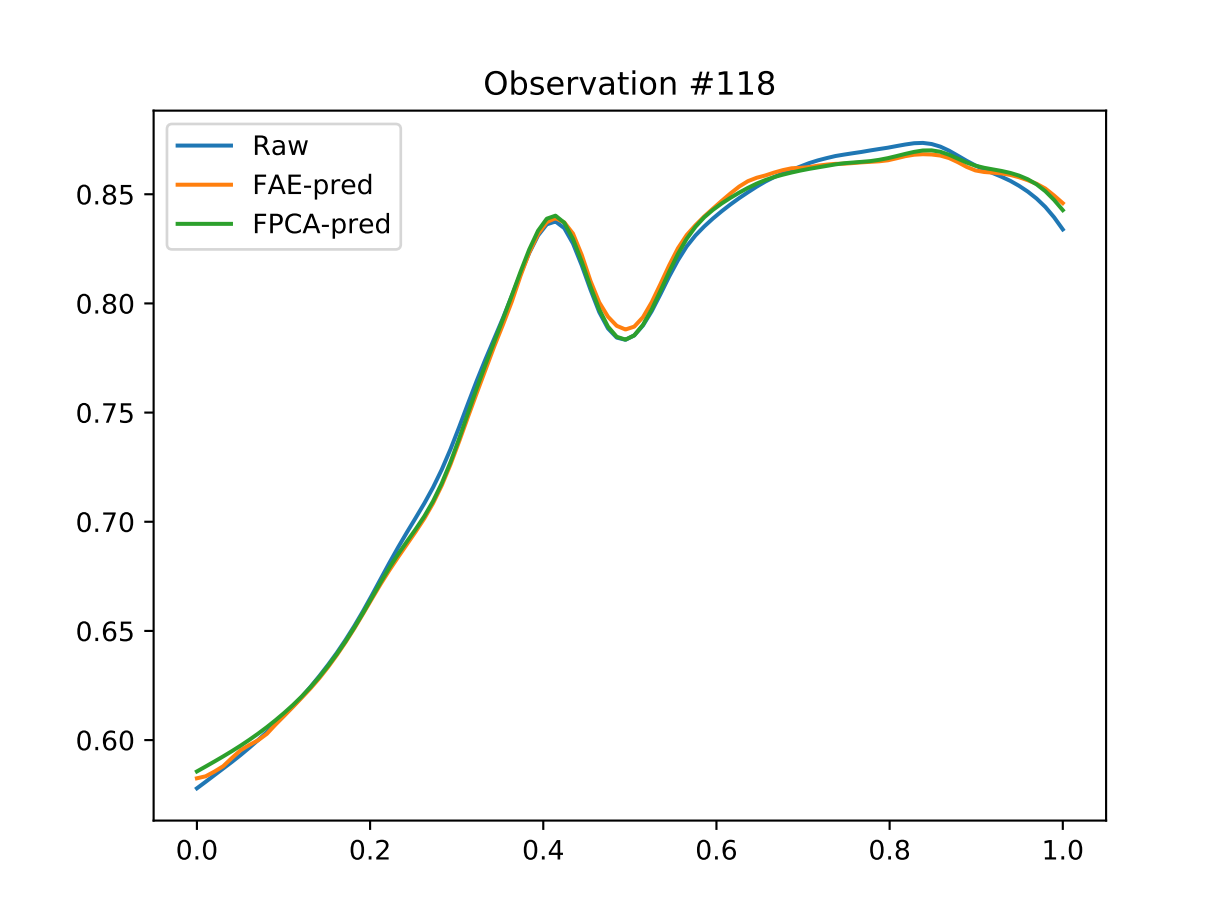

Observation #113
Raw
FAE-pred
FPCA-pred
0.04
0.02
0.00
−0.02
−0.04
−0.06
0.0
0.2
0.4
0.6
0.8
1.0

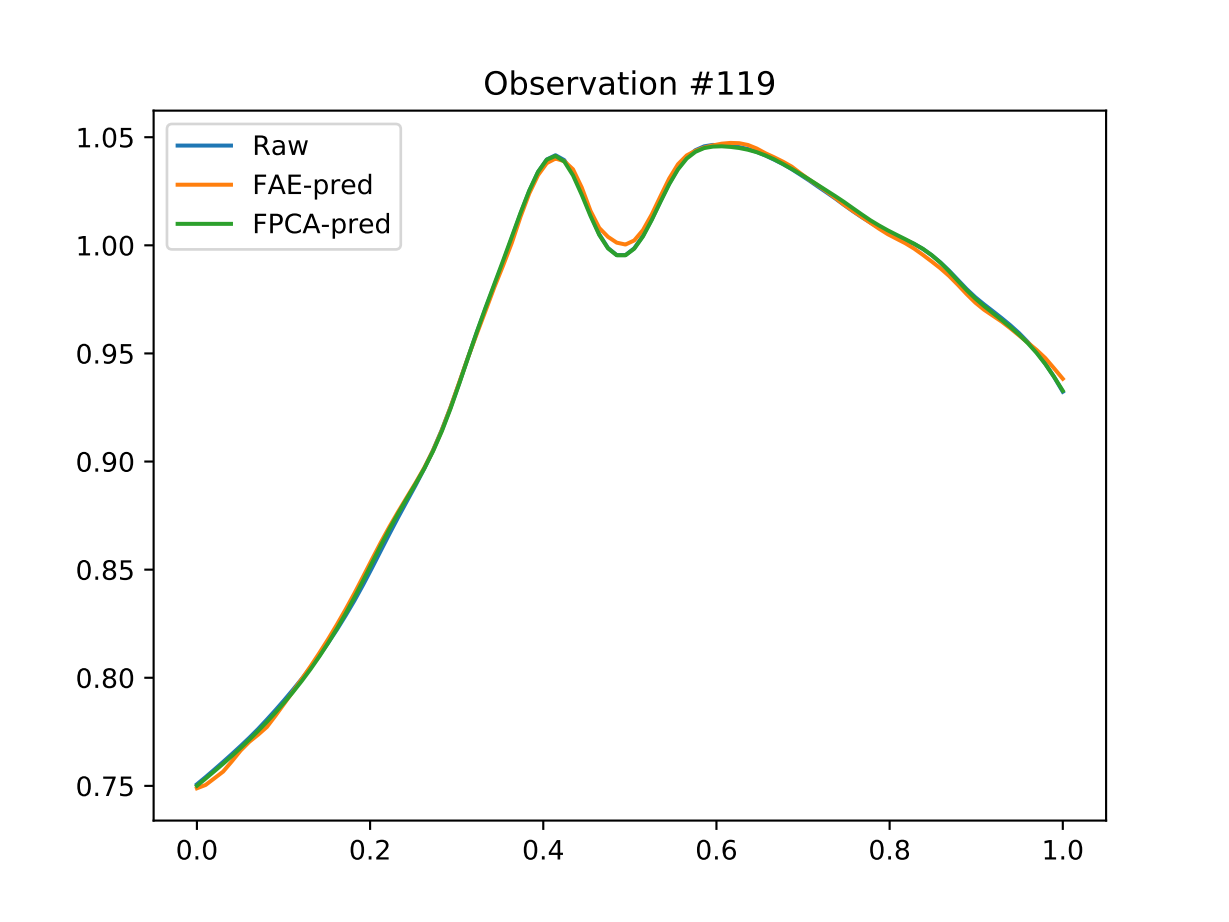

Observation #114
−0.36
−0.38
−0.40
−0.42
−0.44
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

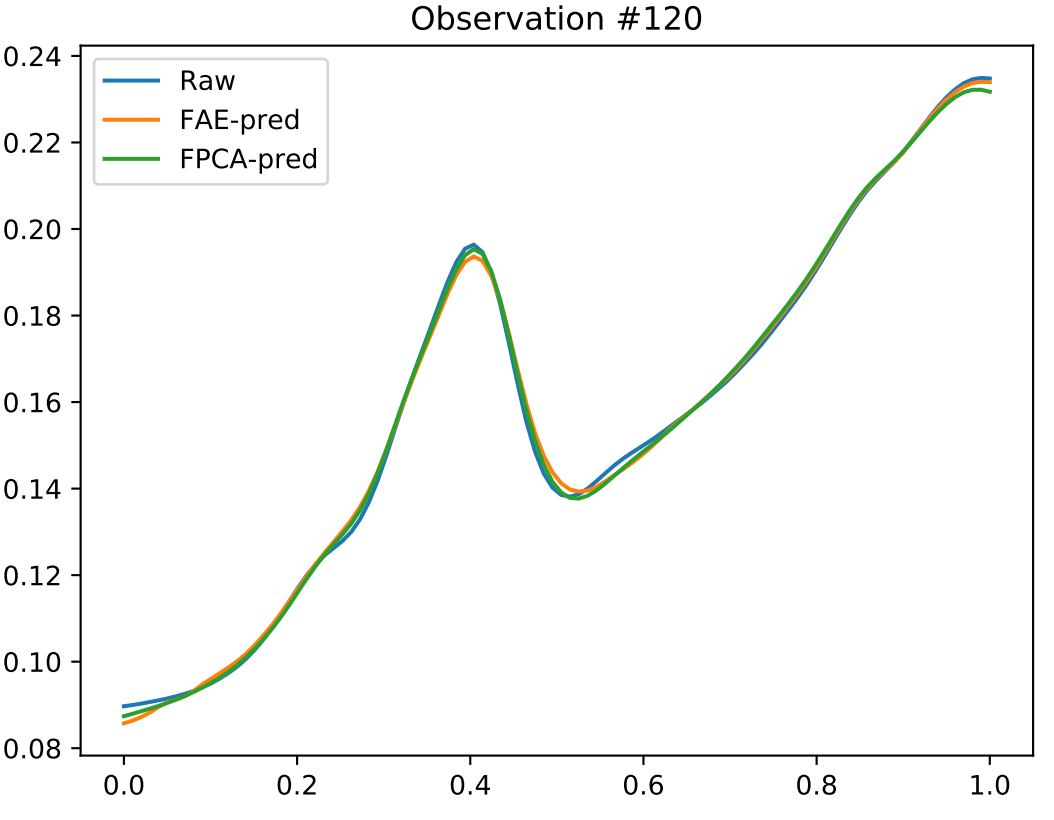

Observation #115
−0.36
−0.38
−0.40
−0.42
−0.44
−0.46
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

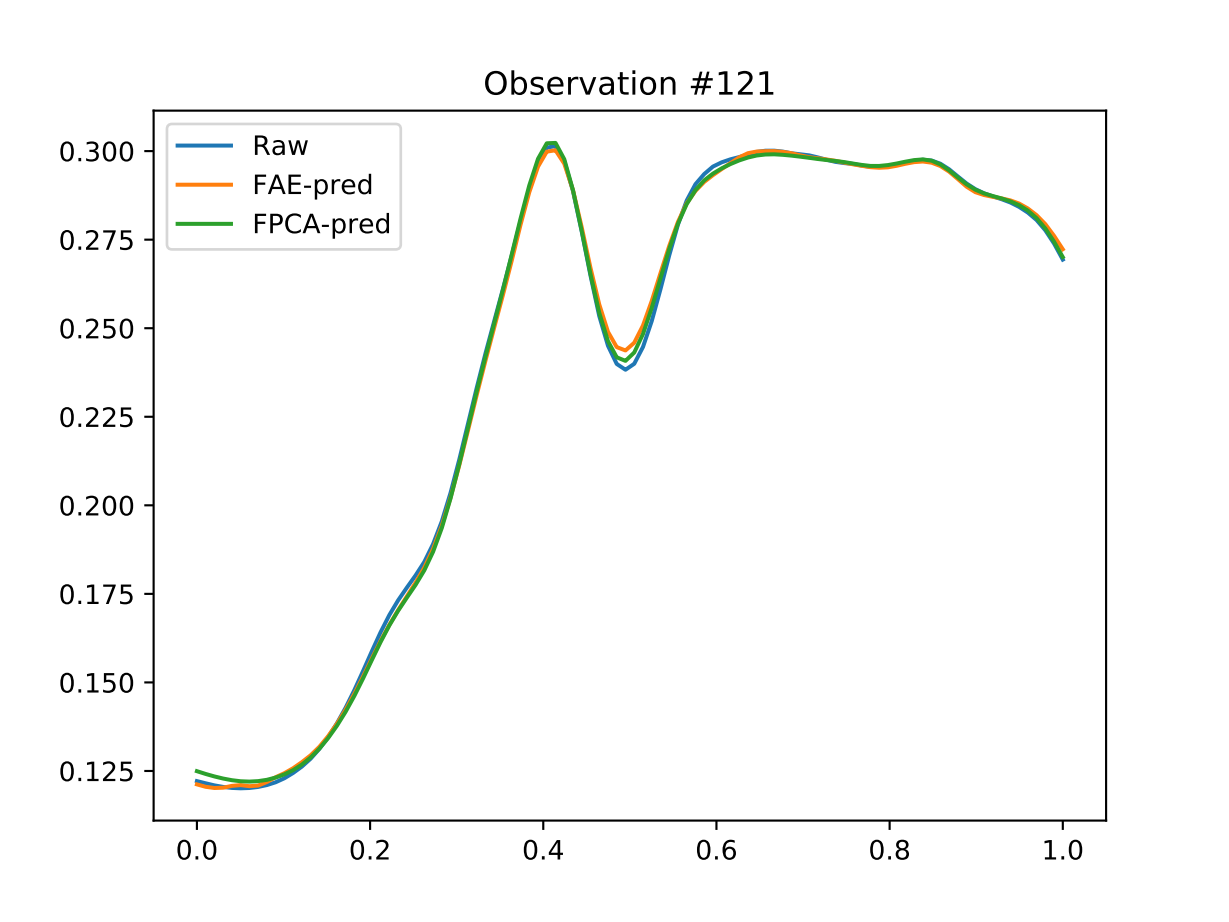

Observation #116
Raw
FAE-pred
FPCA-pred
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
0.0
0.2
0.4
0.6
0.8
1.0

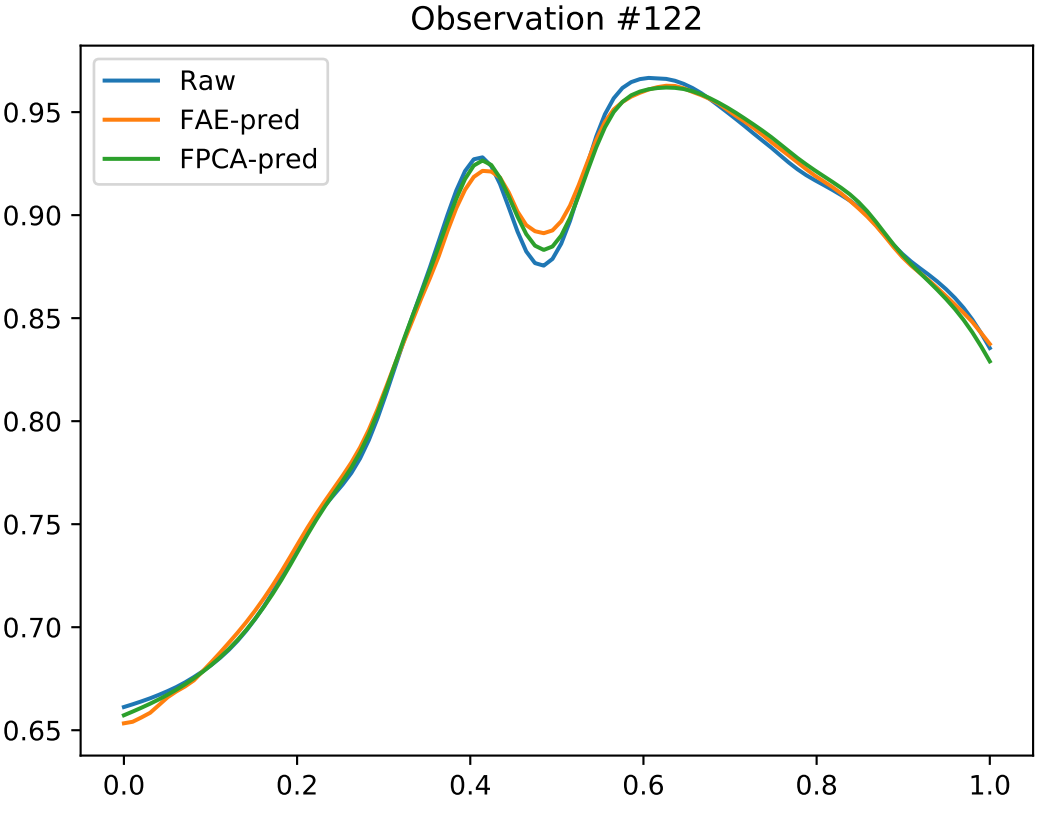

Observation #117
Raw
FAE-pred
FPCA-pred
0.82
0.80
0.78
0.76
0.74
0.72
0.70
0.68
0.0
0.2
0.4
0.6
0.8
1.0

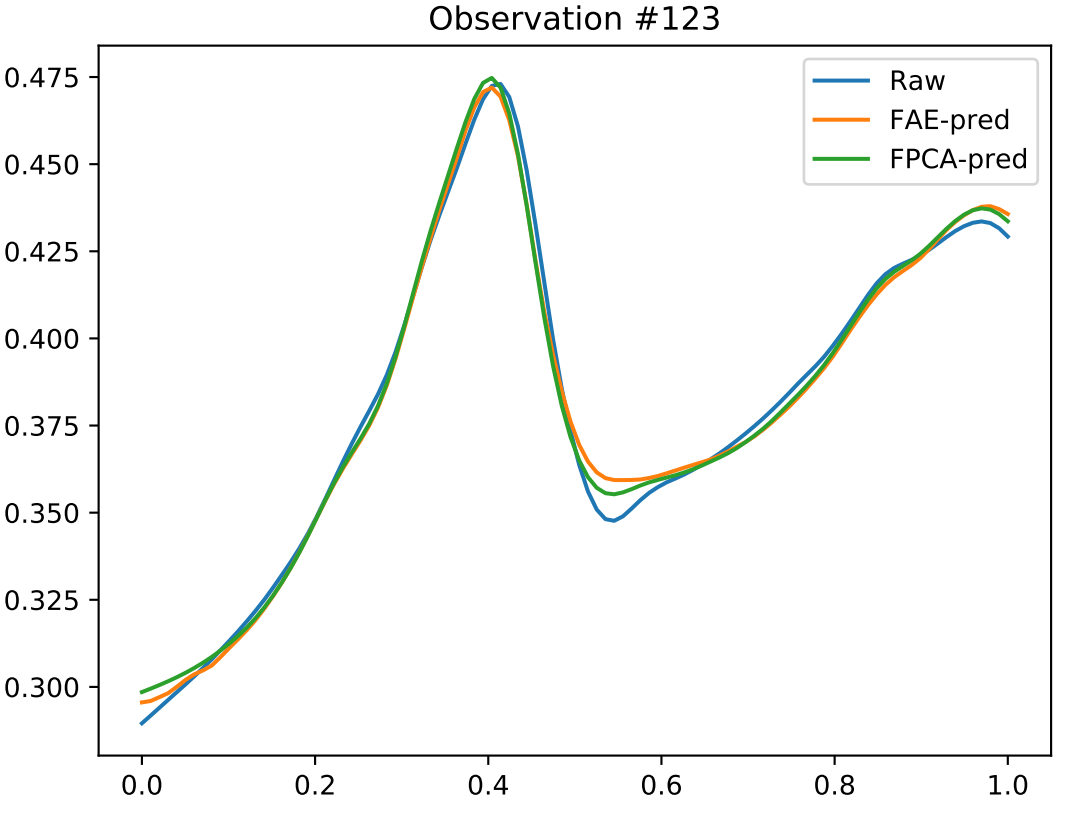

Observation #118
Raw
FAE-pred
FPCA-pred
0.85
0.80
0.75
0.70
0.65
0.60
0.0
0.2
0.4
0.6
0.8
1.0

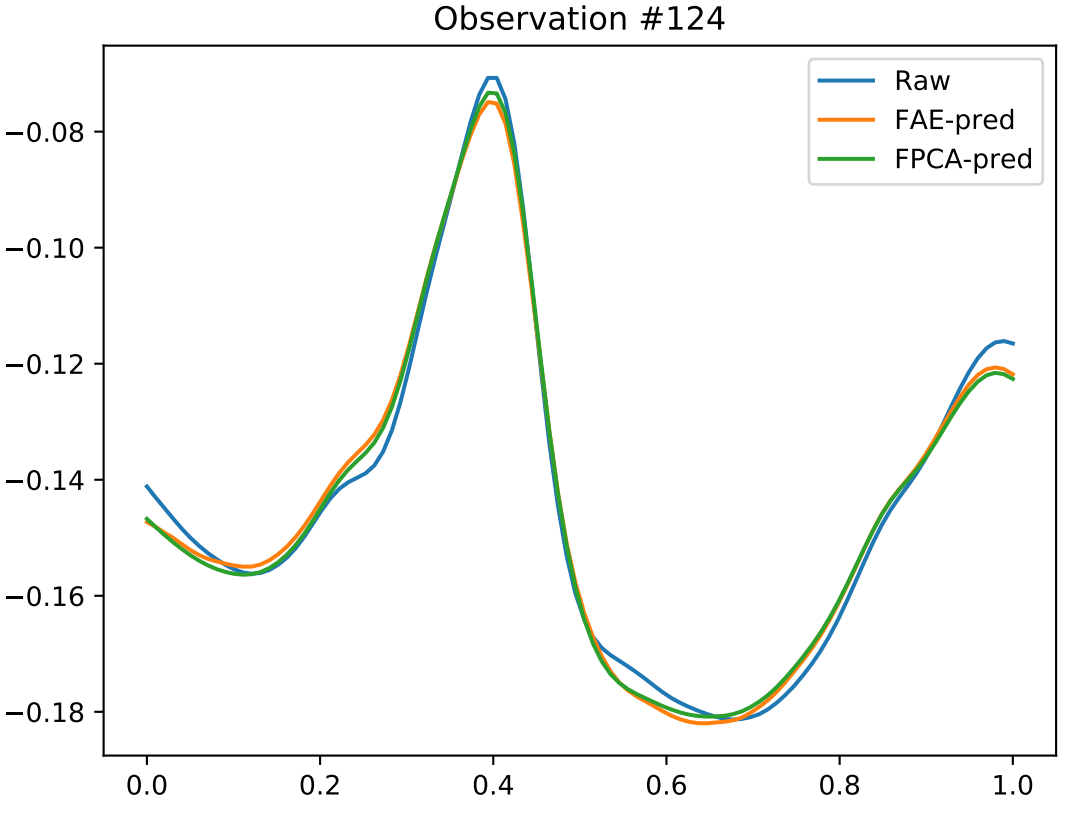

Observation #119
Raw
FAE-pred
FPCA-pred
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.0
0.2
0.4
0.6
0.8
1.0

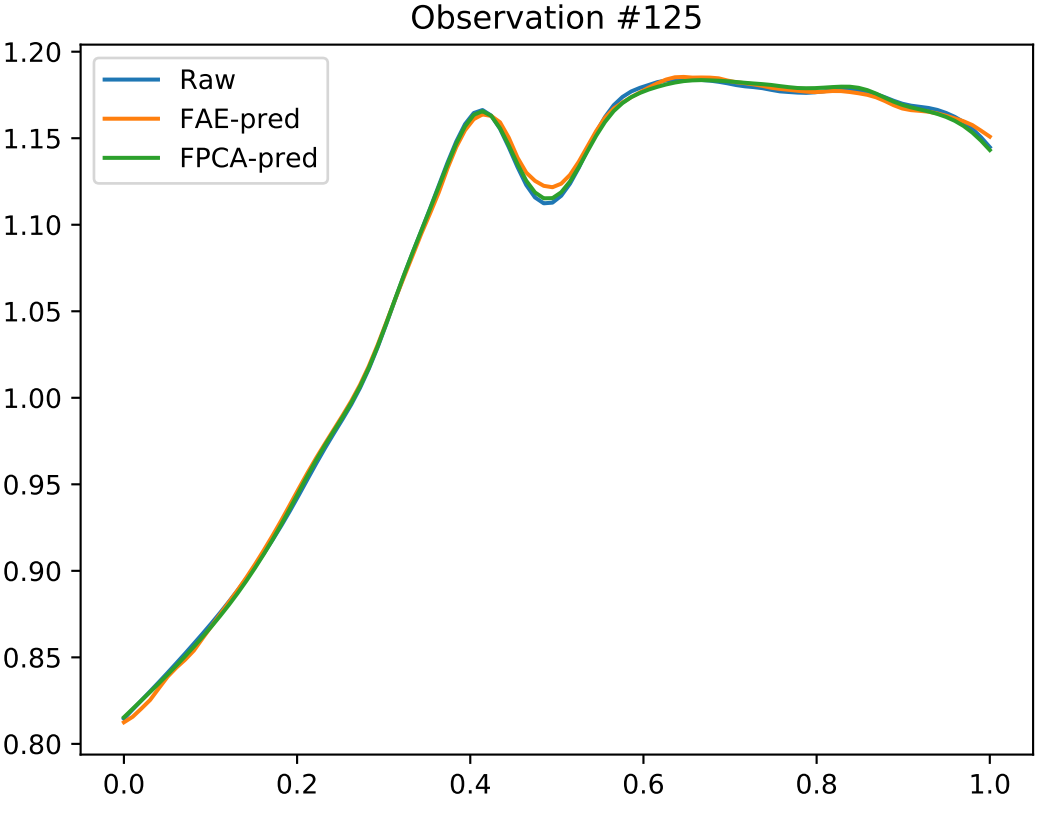

Observation #120
Raw
FAE-pred
FPCA-pred
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.0
0.2
0.4
0.6
0.8
1.0

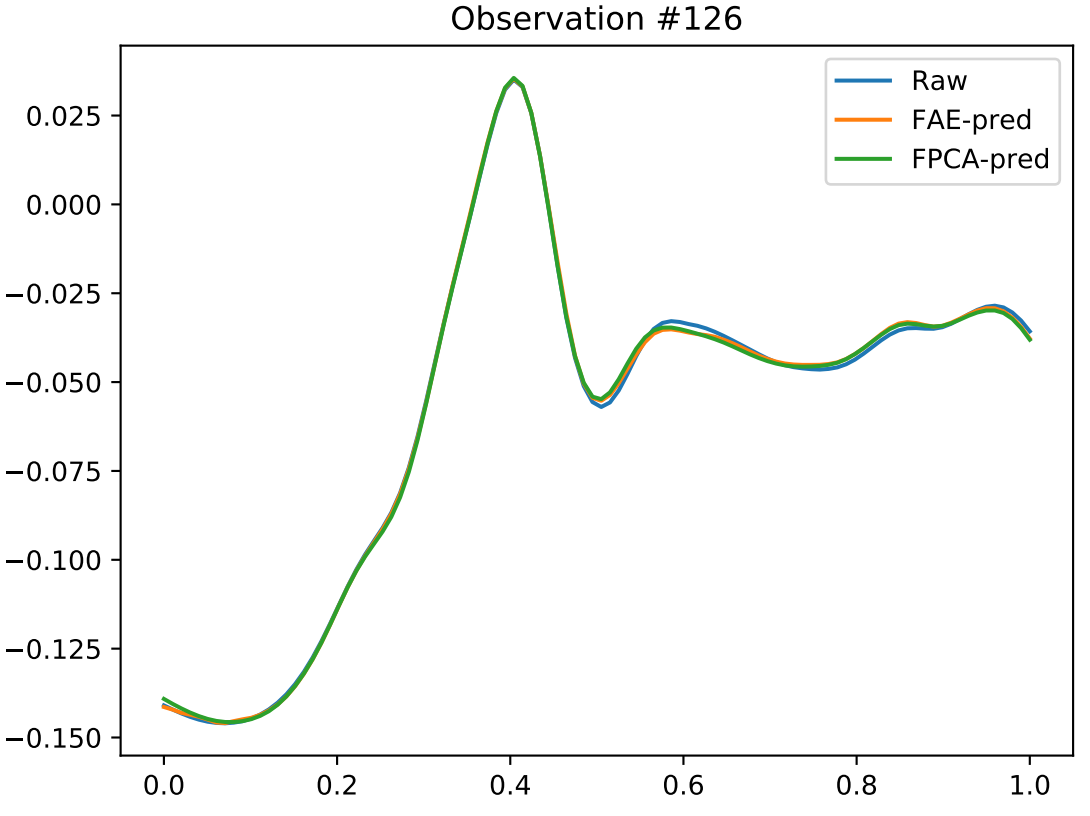

Observation #121
Raw
FAE-pred
FPCA-pred
0.300
0.275
0.250
0.225
0.200
0.175
0.150
0.125
0.0
0.2
0.4
0.6
0.8
1.0

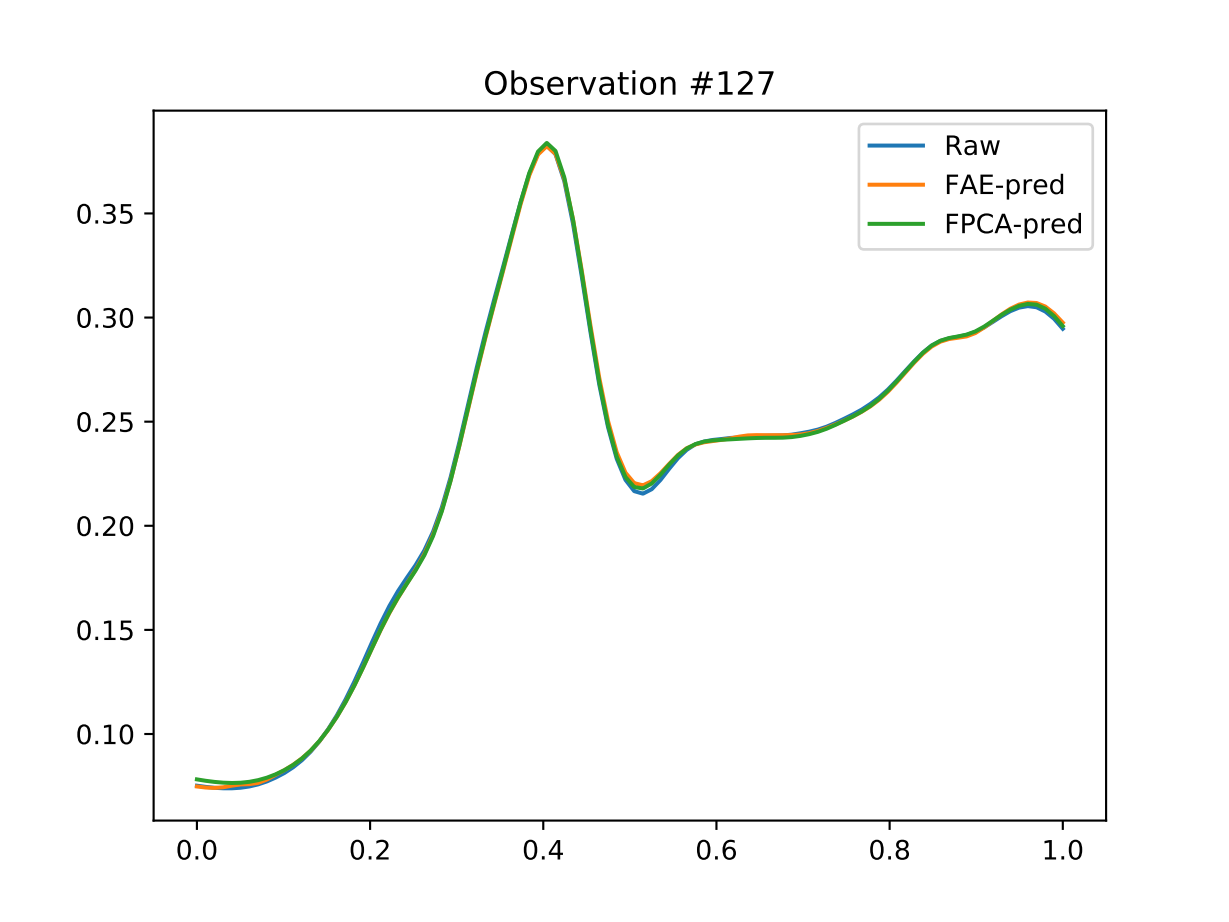

Observation #122
Raw
FAE-pred
FPCA-pred
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.0
0.2
0.4
0.6
0.8
1.0

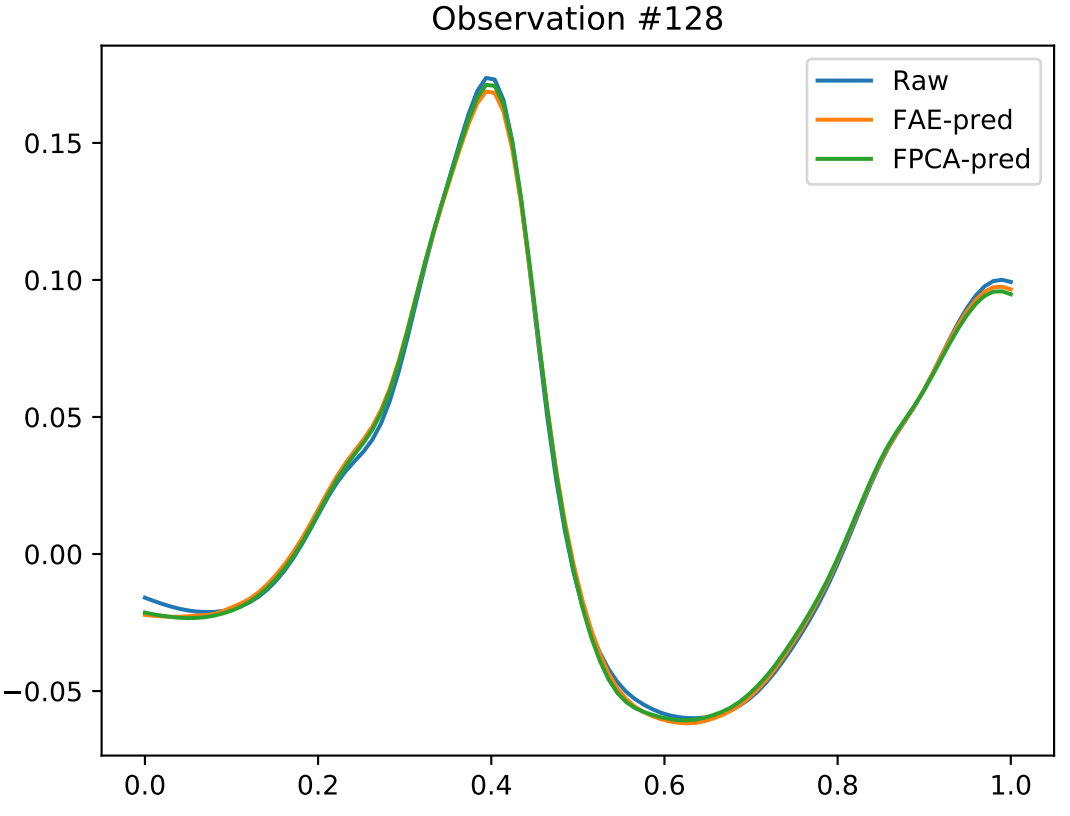

Observation #123
Raw
FAE-pred
FPCA-pred
0.475
0.450
0.425
0.400
0.375
0.350
0.325
0.300
0.0
0.2
0.4
0.6
0.8
1.0

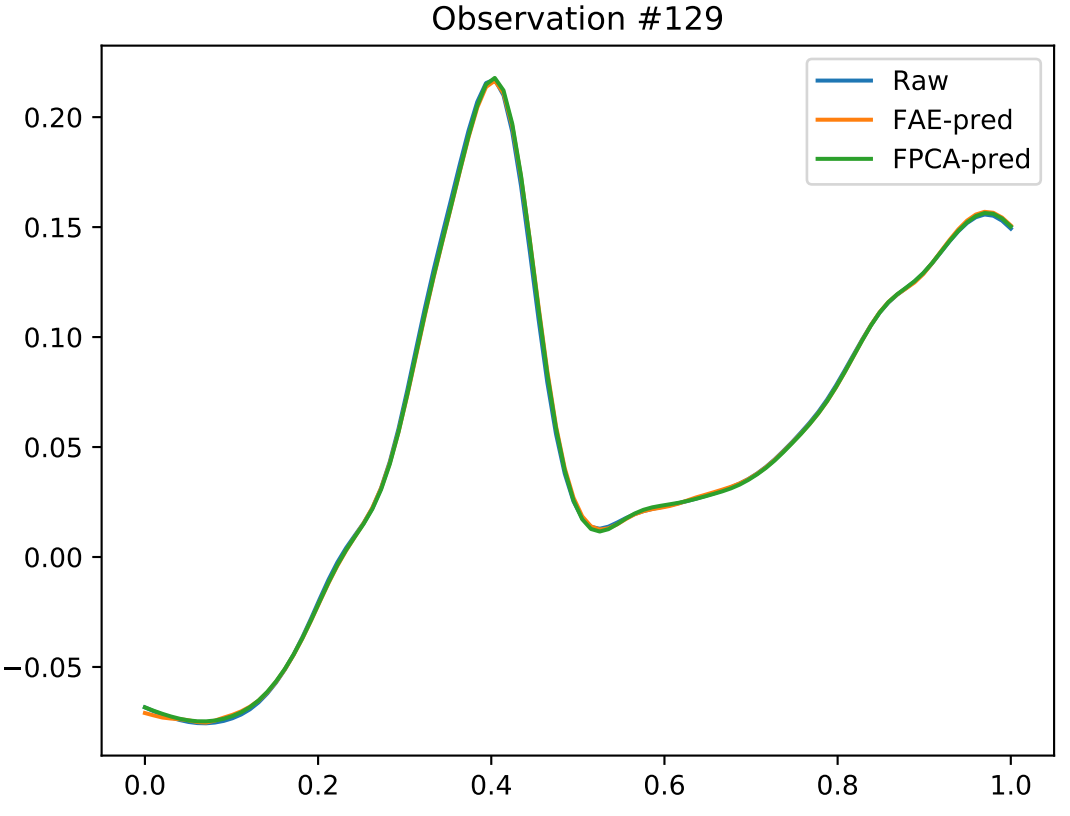

Observation #124
Raw
FAE-pred
FPCA-pred
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
0.0
0.2
0.4
0.6
0.8
1.0

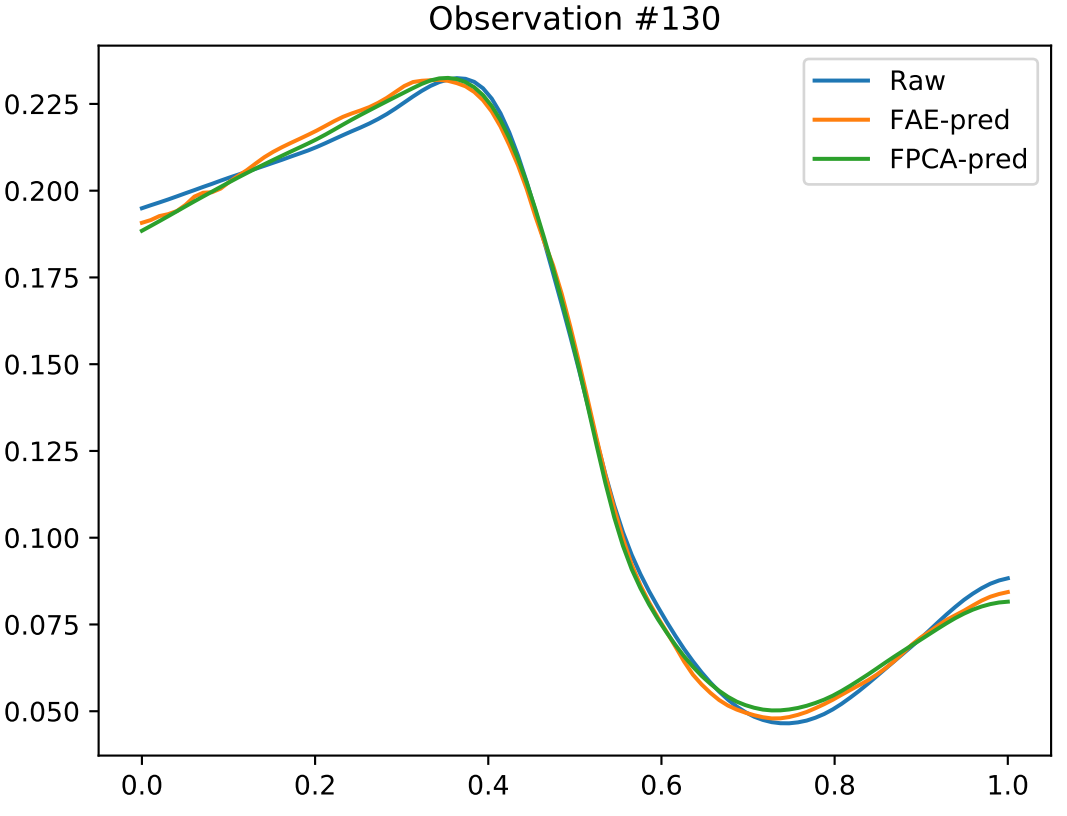

Observation #125
Raw
FAE-pred
FPCA-pred
1.20
1.15
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.0
0.2
0.4
0.6
0.8
1.0

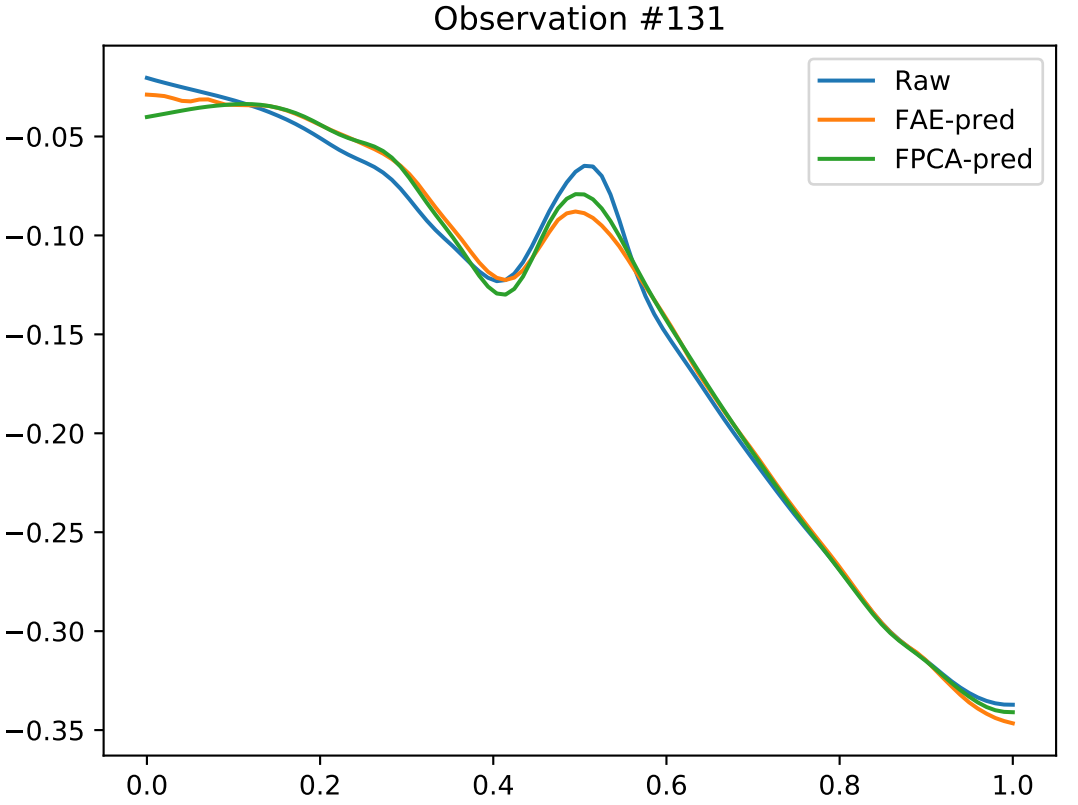

Observation #126
Raw
FAE-pred
FPCA-pred
0.025
0.000
−0.025
−0.050
−0.075
−0.100
−0.125
−0.150
0.0
0.2
0.4
0.6
0.8
1.0

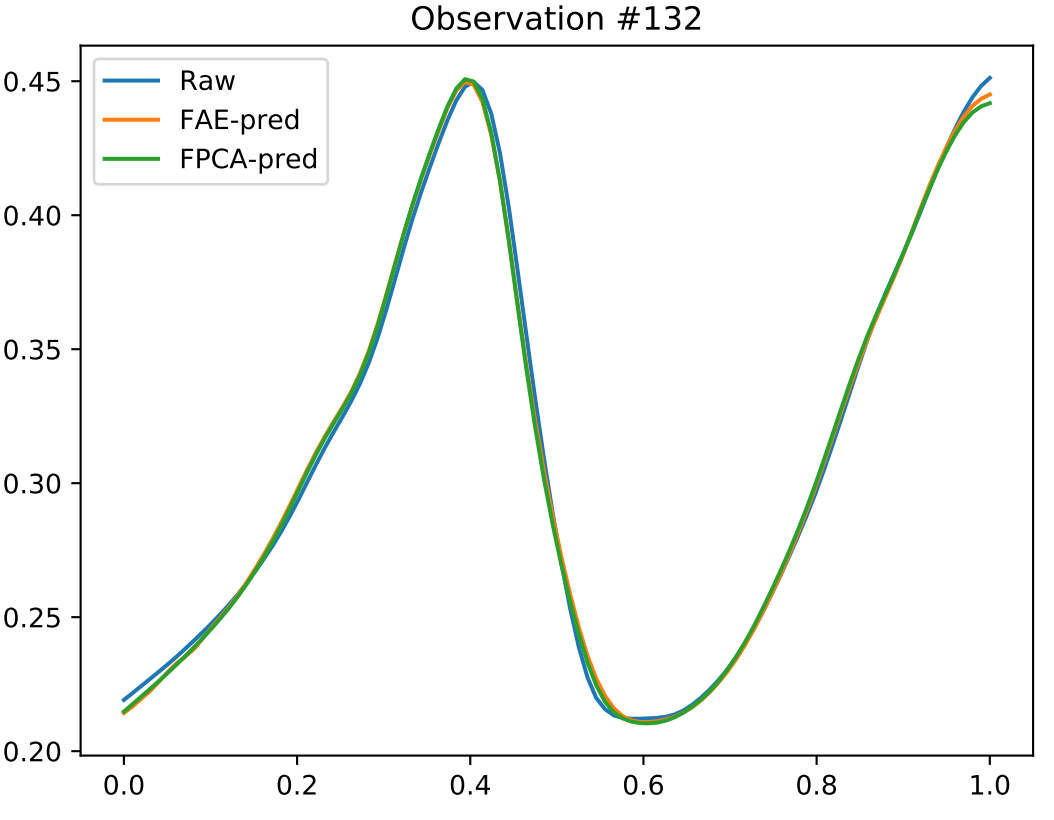

Observation #127
Raw
FAE-pred
FPCA-pred
0.35
0.30
0.25
0.20
0.15
0.10
0.0
0.2
0.4
0.6
0.8
1.0

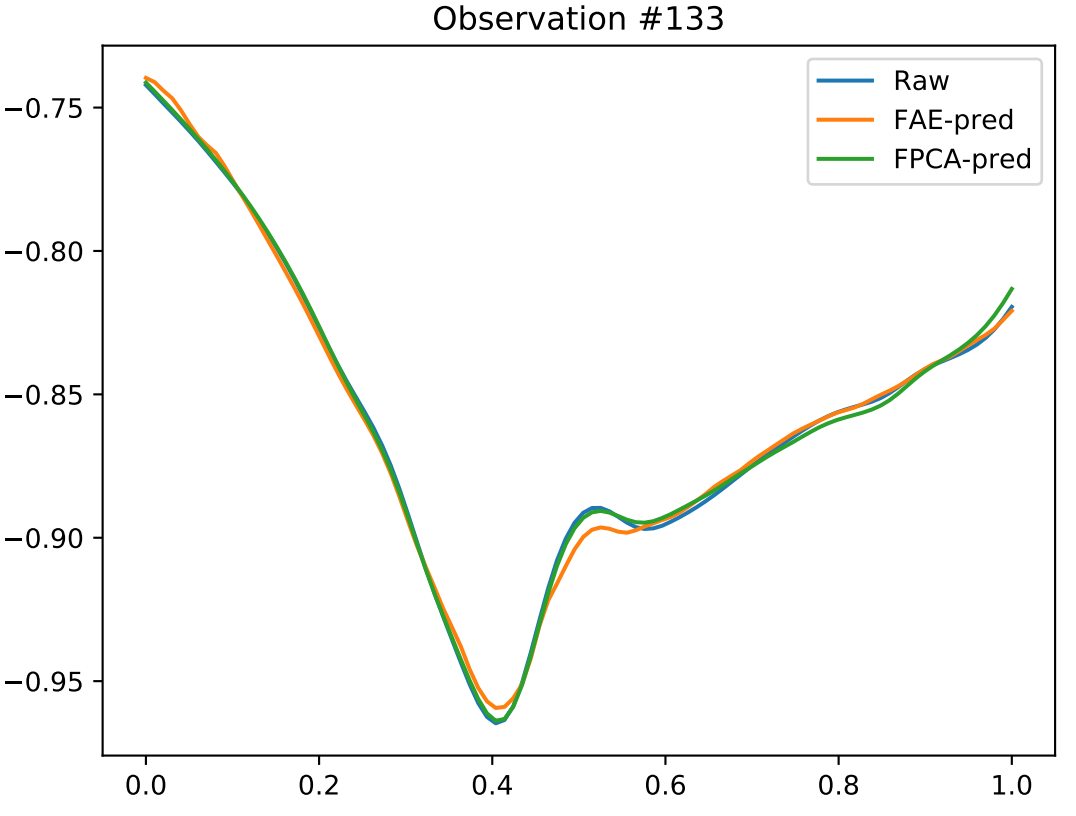

Observation #128
Raw
FAE-pred
FPCA-pred
0.15
0.10
0.05
0.00
−0.05
0.0
0.2
0.4
0.6
0.8
1.0

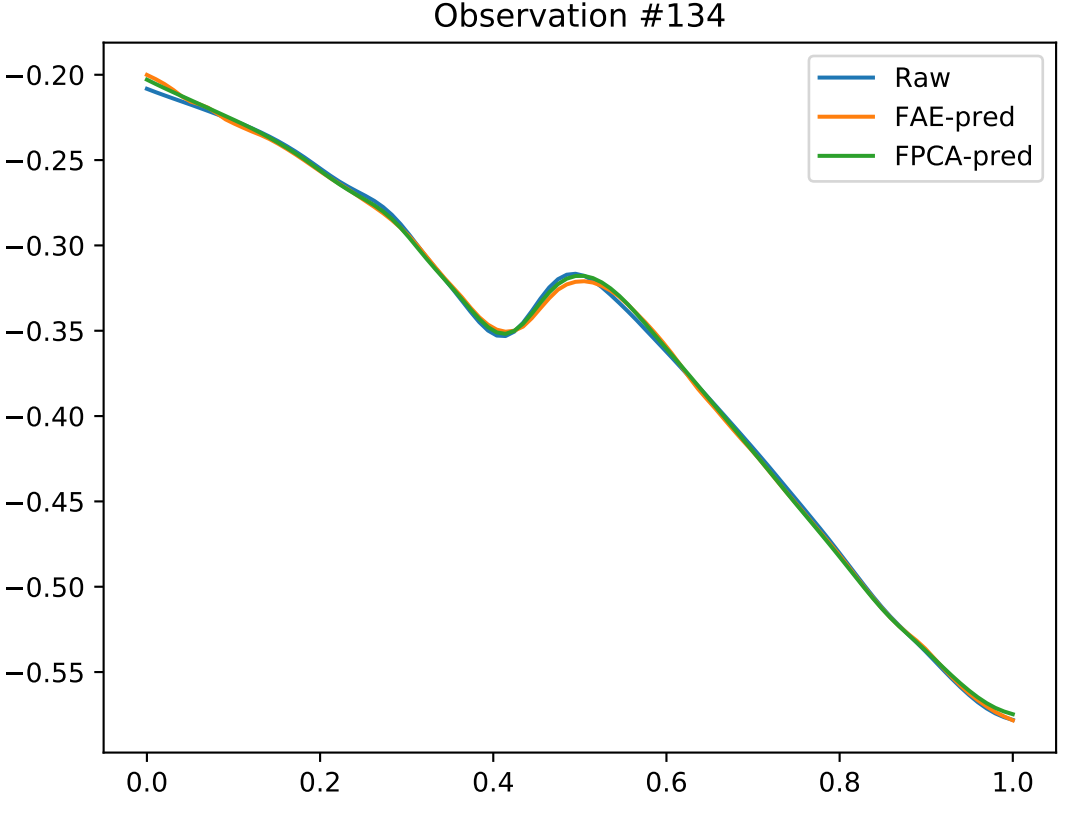

Observation #129
Raw
FAE-pred
FPCA-pred
0.20
0.15
0.10
0.05
0.00
−0.05
0.0
0.2
0.4
0.6
0.8
1.0

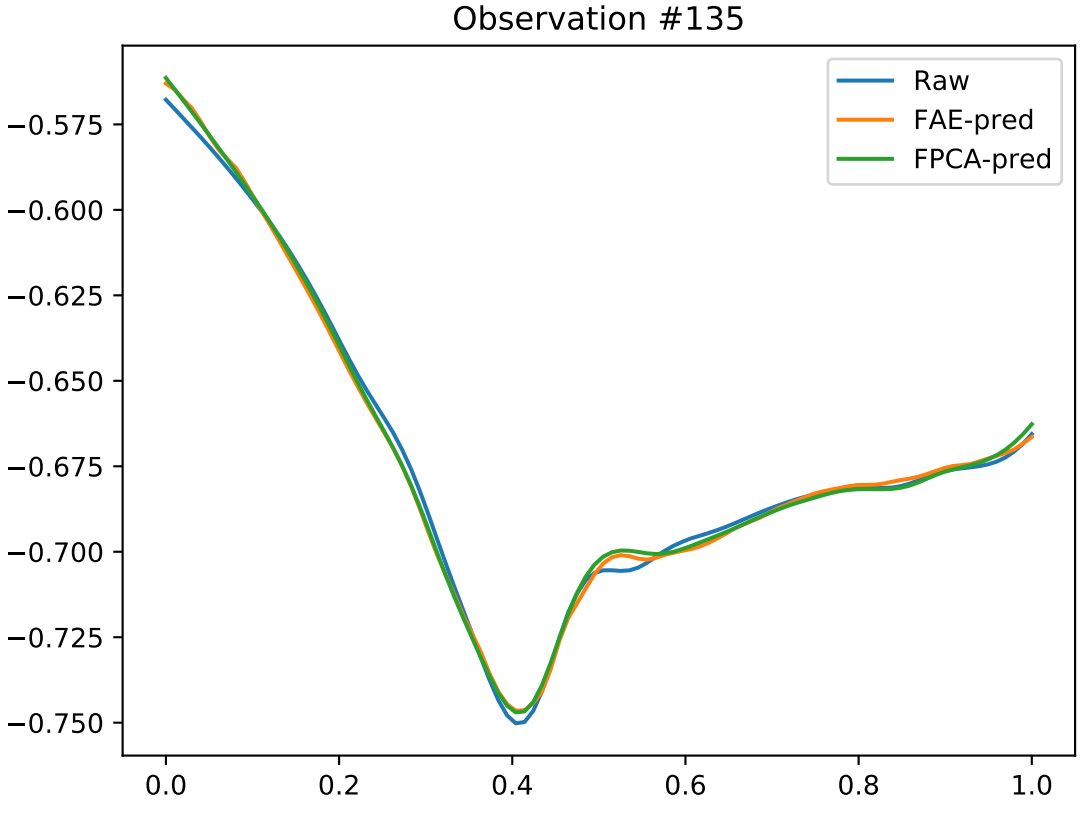

Observation #130
Raw
FAE-pred
FPCA-pred
0.225
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.0
0.2
0.4
0.6
0.8
1.0

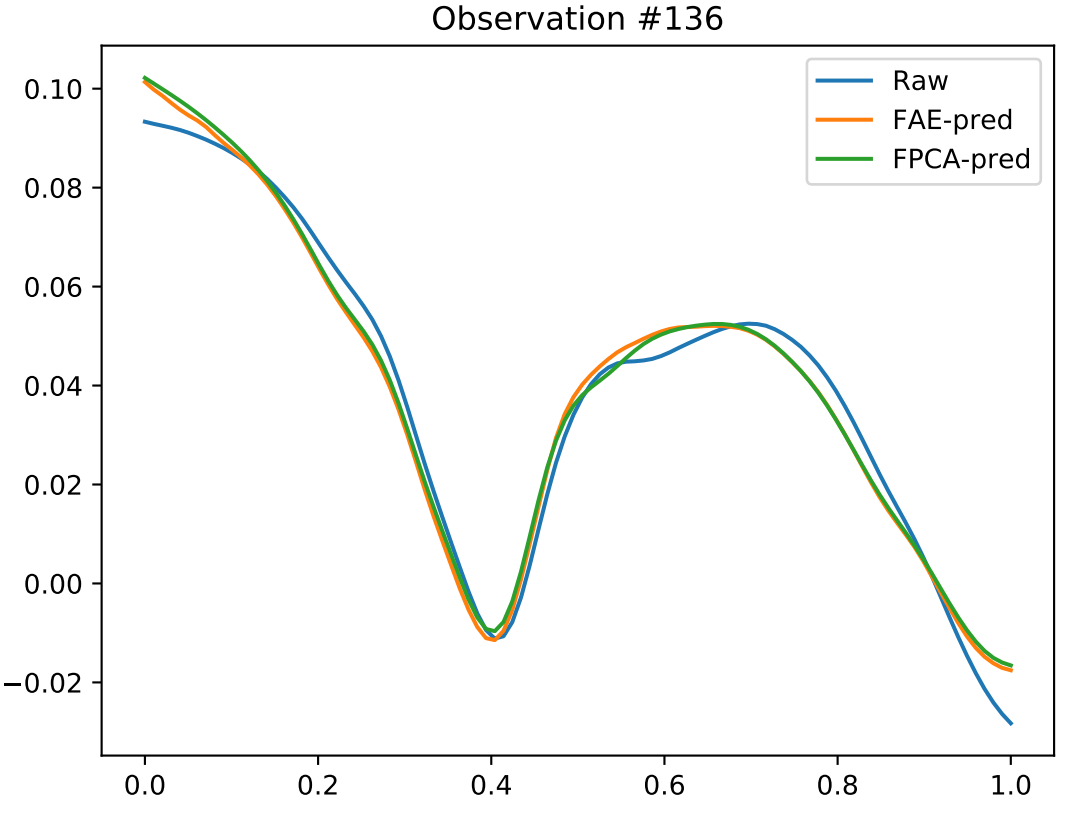

Observation #131
Raw
FAE-pred
FPCA-pred
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
0.0
0.2
0.4
0.6
0.8
1.0

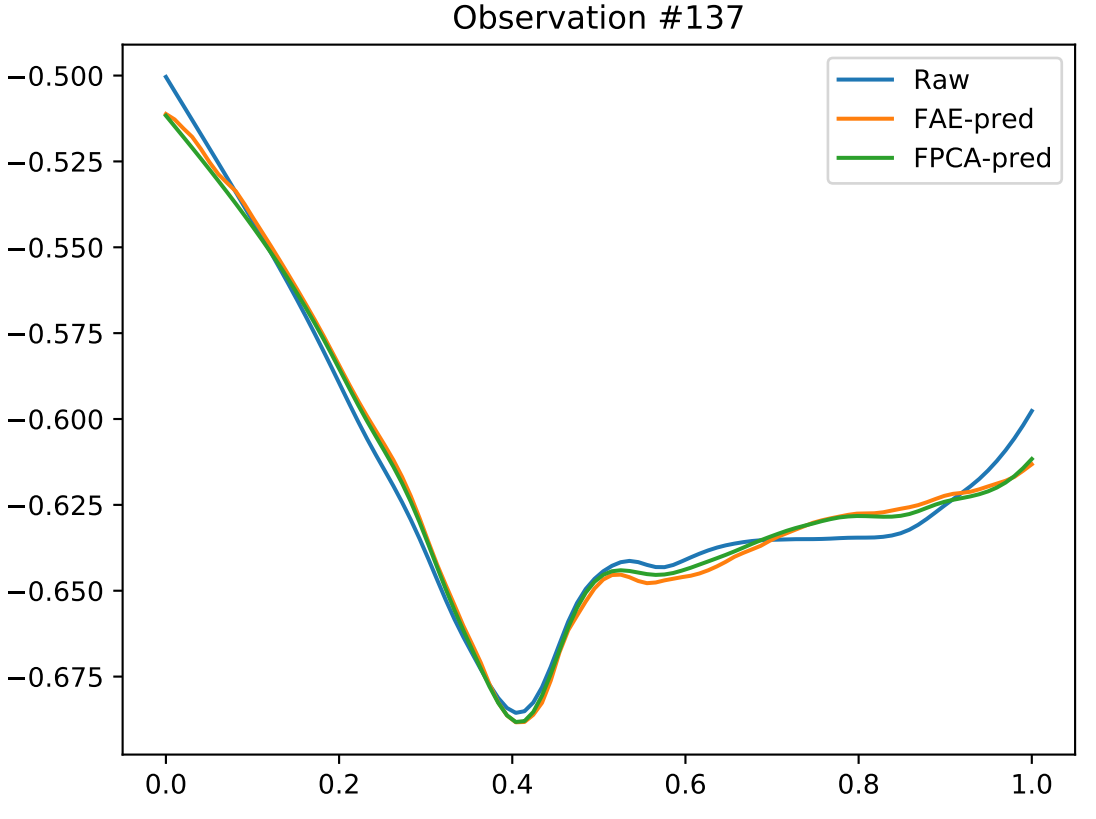

Observation #132
Raw
FAE-pred
FPCA-pred
0.45
0.40
0.35
0.30
0.25
0.20
0.0
0.2
0.4
0.6
0.8
1.0

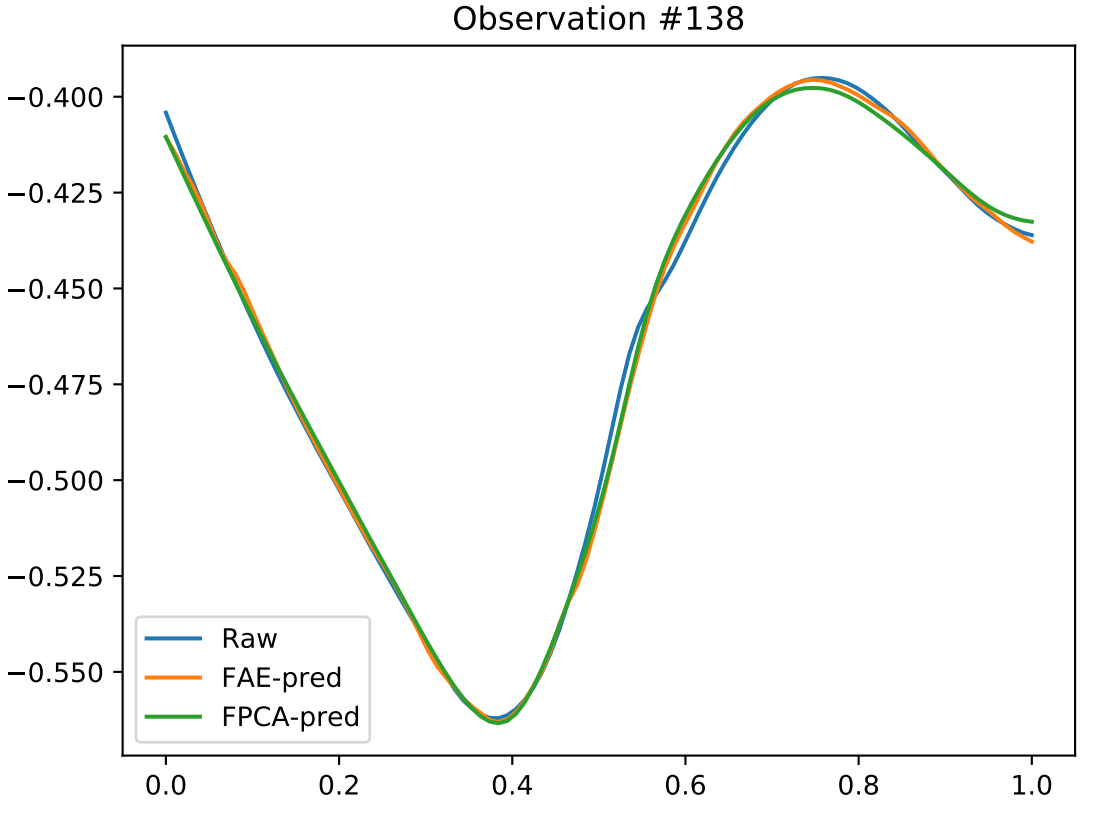

Observation #133
Raw
FAE-pred
FPCA-pred
−0.75
−0.80
−0.85
−0.90
−0.95
0.0
0.2
0.4
0.6
0.8
1.0

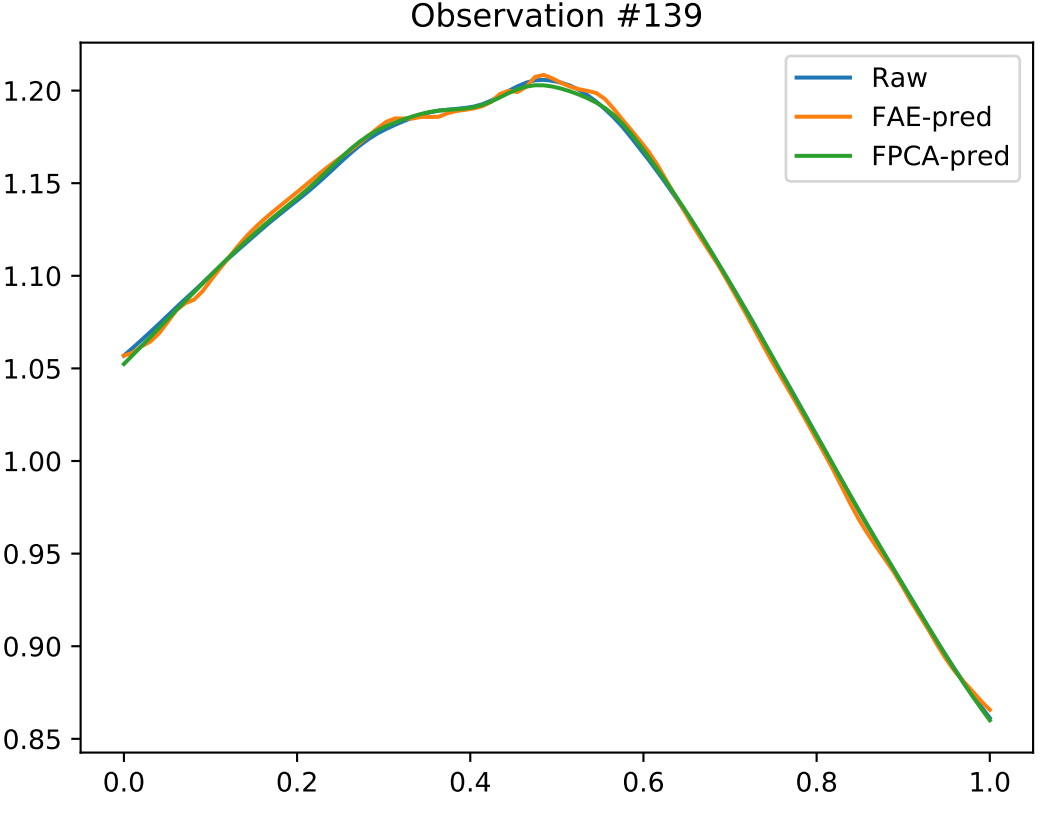

Observation #134
Raw
FAE-pred
FPCA-pred
−0.20
−0.25
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
0.0
0.2
0.4
0.6
0.8
1.0

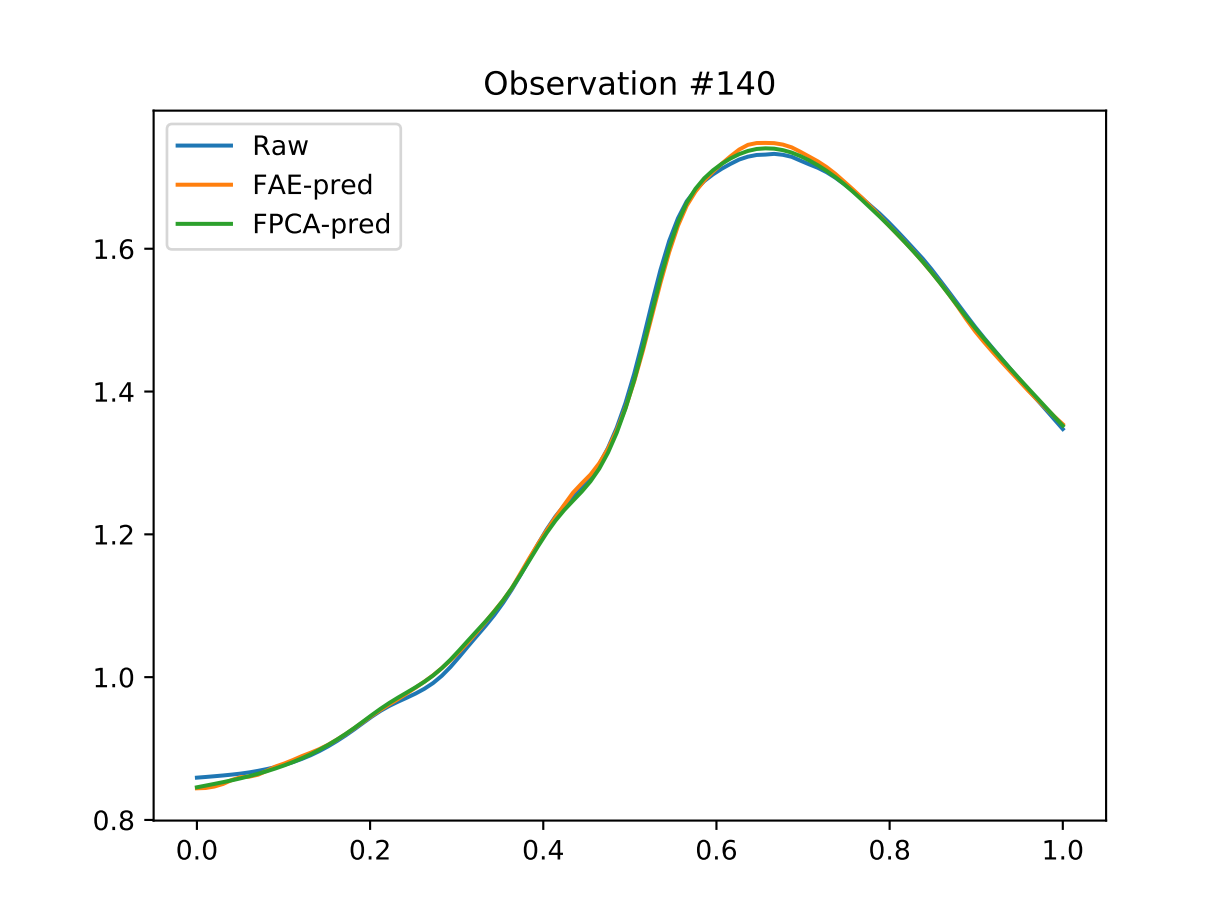

Observation #135
Raw
FAE-pred
FPCA-pred
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
0.0
0.2
0.4
0.6
0.8
1.0

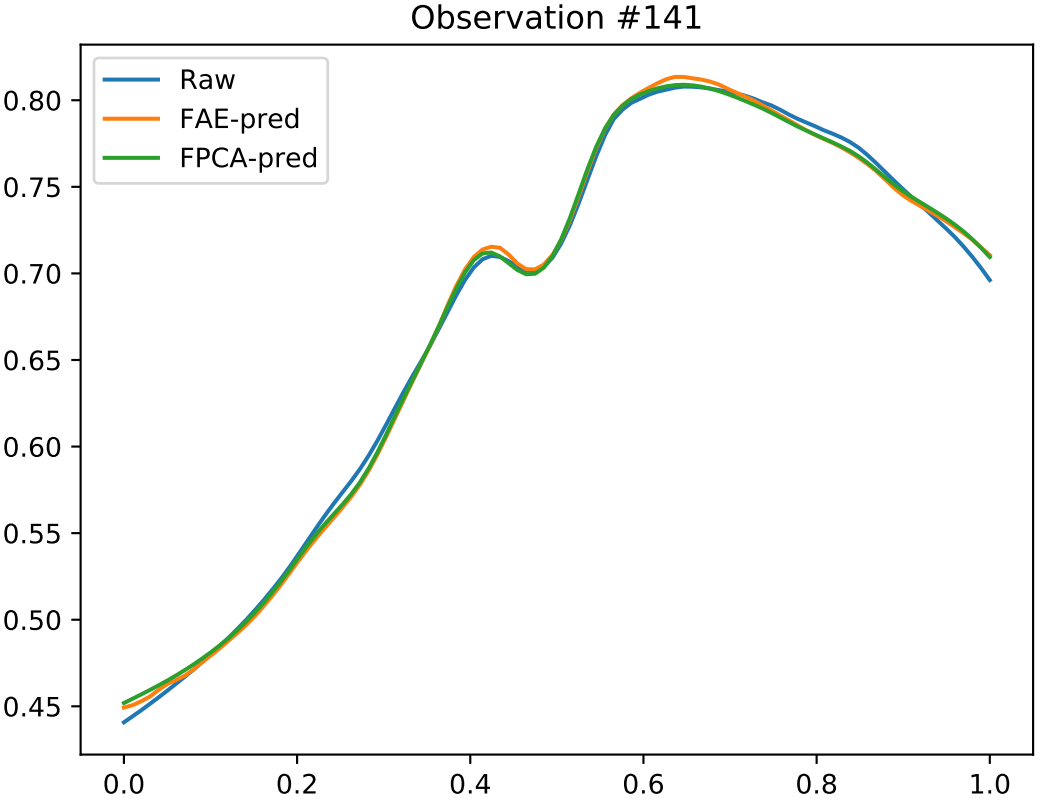

Observation #136
Raw
FAE-pred
FPCA-pred
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0.0
0.2
0.4
0.6
0.8
1.0

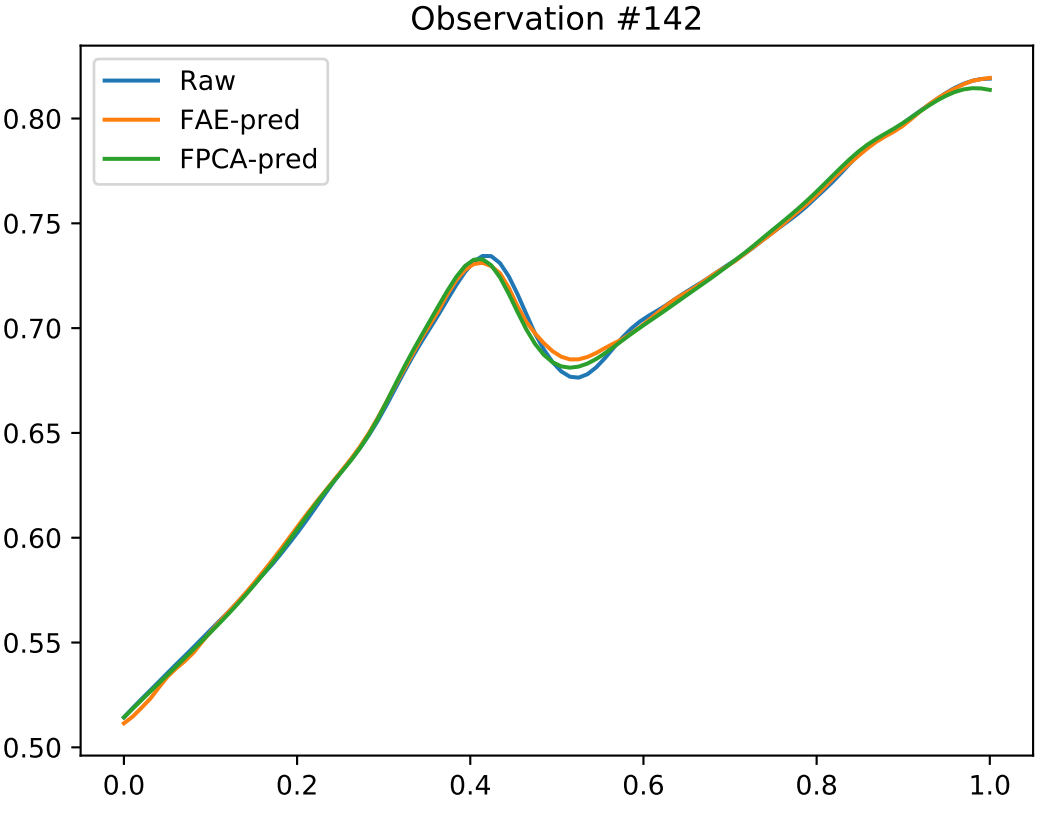

Observation #137
Raw
FAE-pred
FPCA-pred
−0.500
−0.525
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
0.0
0.2
0.4
0.6
0.8
1.0

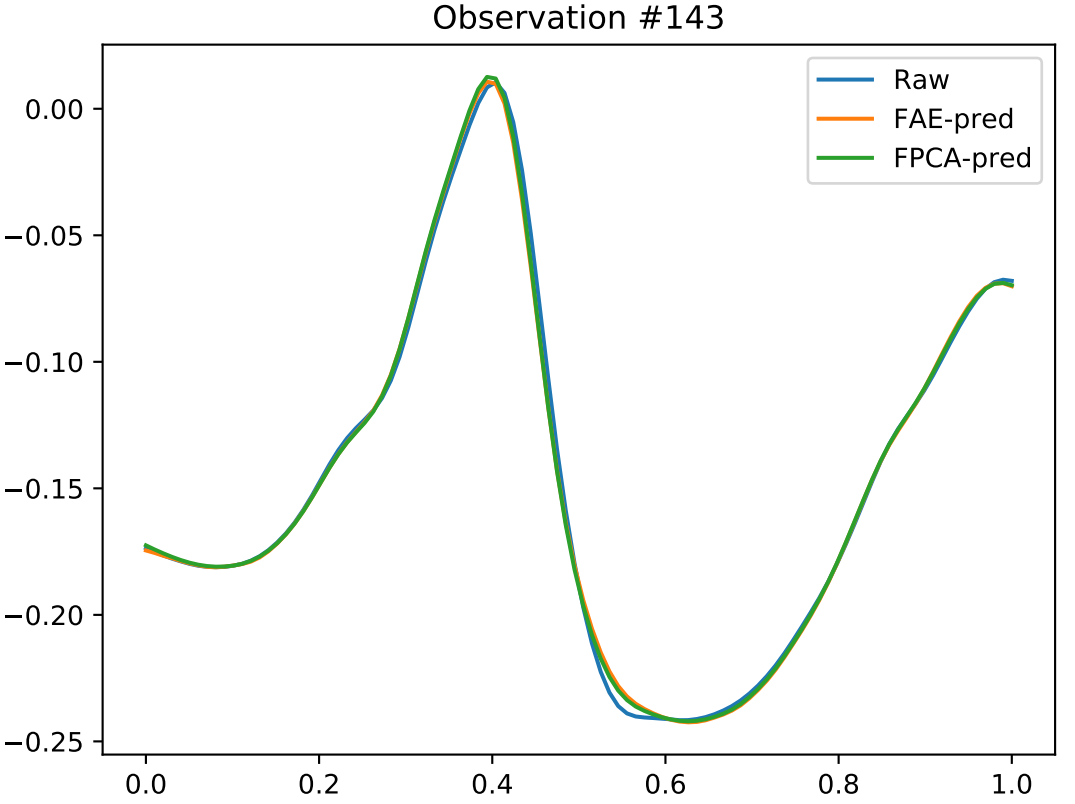

Observation #138
−0.400
−0.425
−0.450
−0.475
−0.500
−0.525
−0.550
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

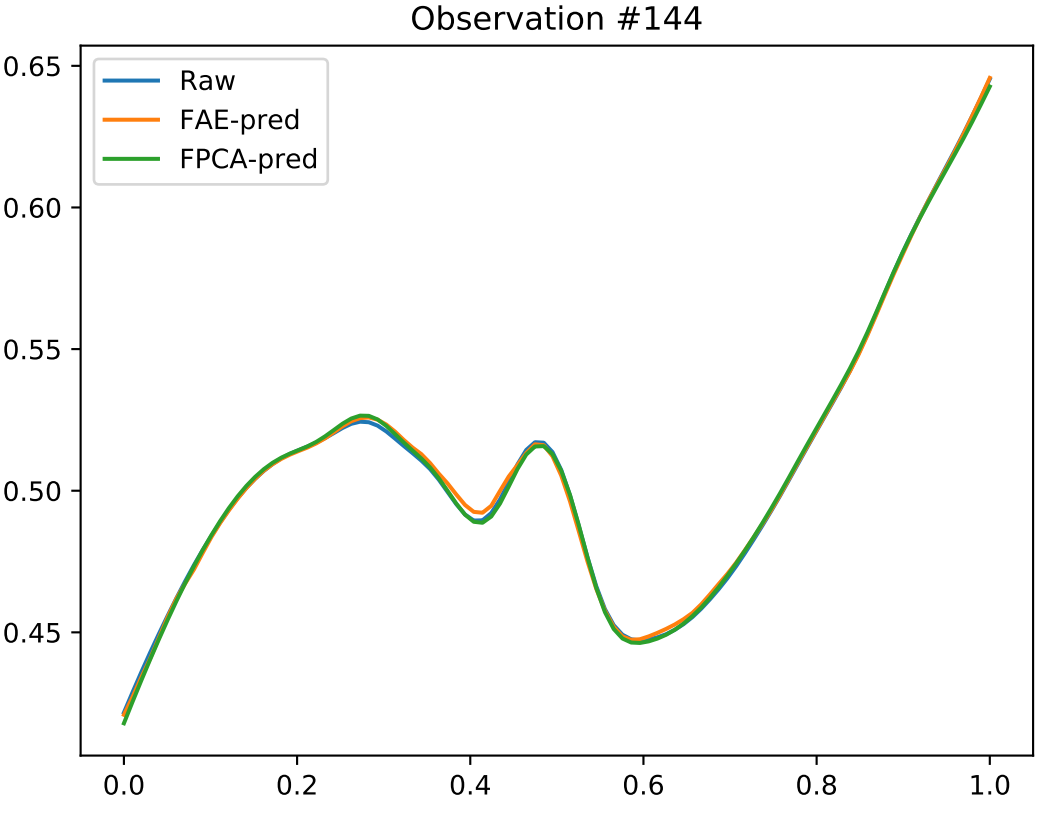

Observation #139
Raw
FAE-pred
FPCA-pred
1.20
1.15
1.10
1.05
1.00
0.95
0.90
0.85
0.0
0.2
0.4
0.6
0.8
1.0

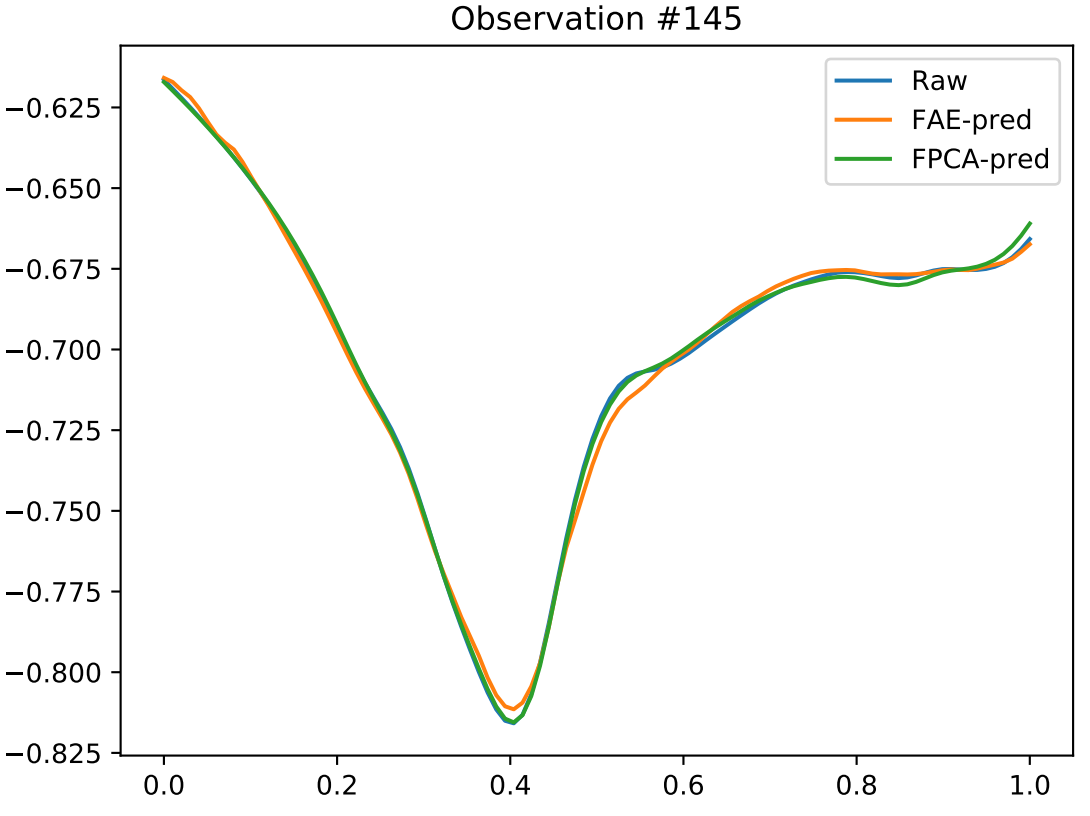

Observation #140
Raw
FAE-pred
FPCA-pred
1.6
1.4
1.2
1.0
0.8
0.0
0.2
0.4
0.6
0.8
1.0

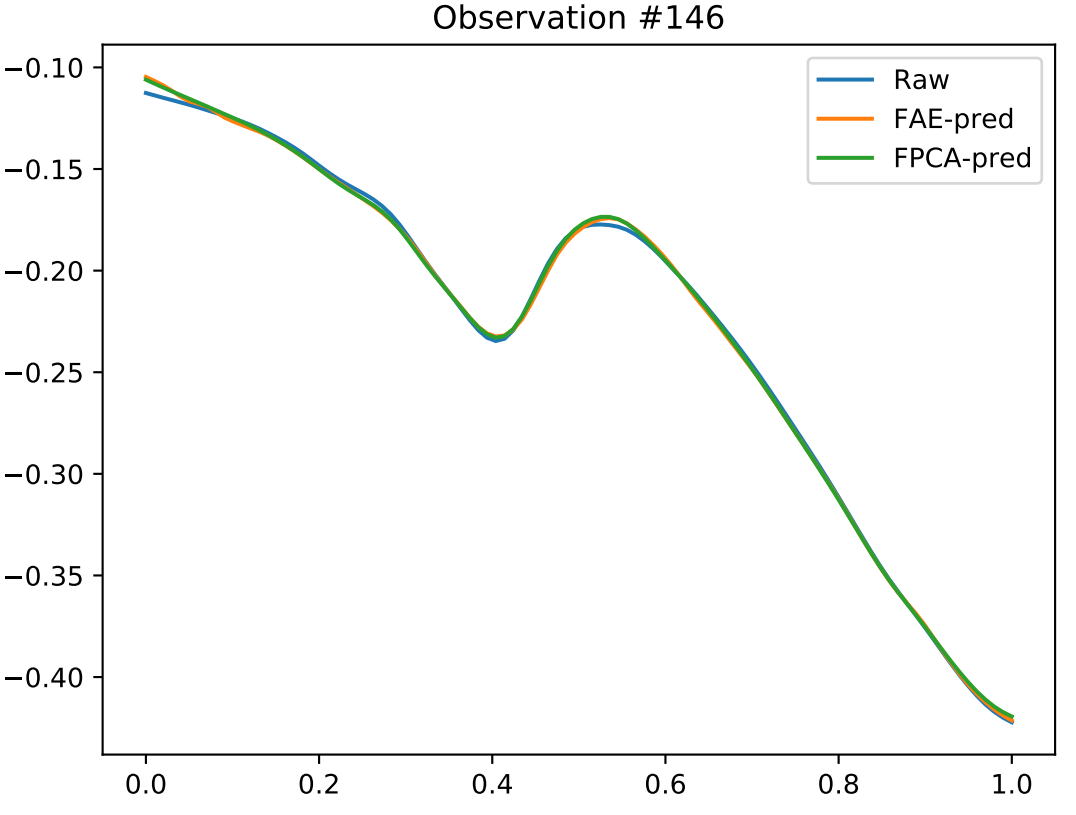

Observation #141
Raw
FAE-pred
FPCA-pred
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.0
0.2
0.4
0.6
0.8
1.0

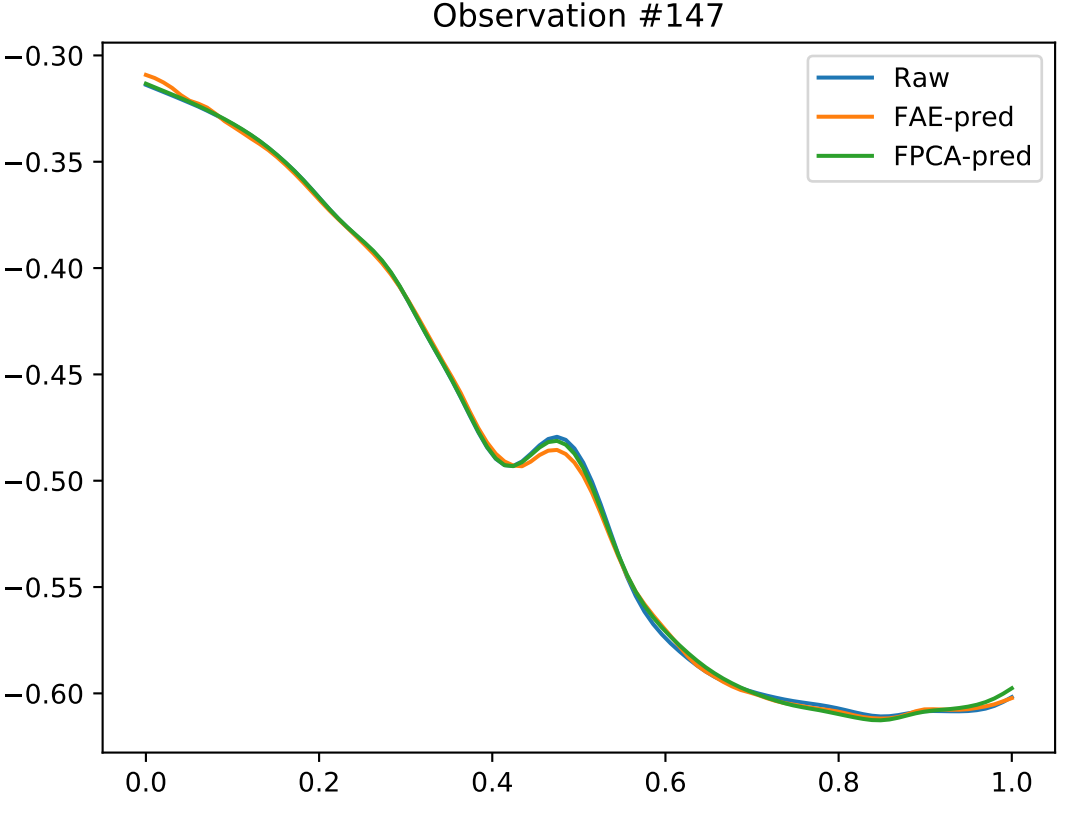

Observation #142
Raw
FAE-pred
FPCA-pred
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.0
0.2
0.4
0.6
0.8
1.0

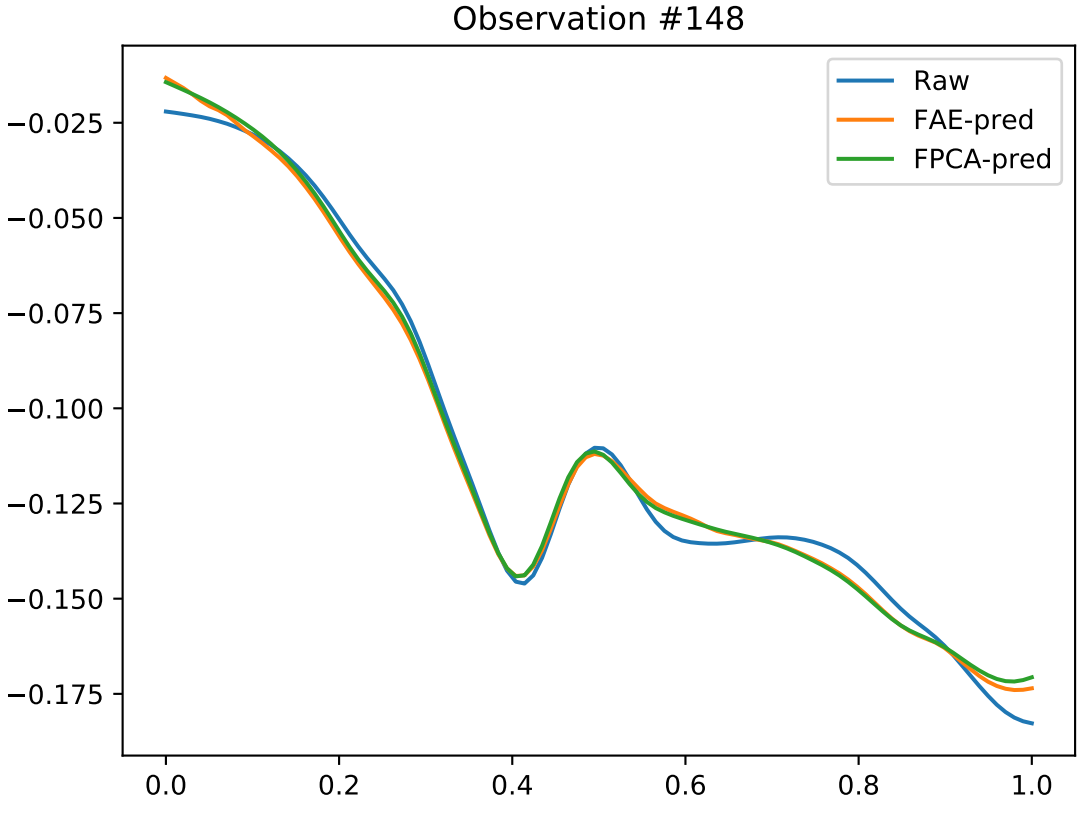

Observation #143
Raw
FAE-pred
FPCA-pred
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
0.0
0.2
0.4
0.6
0.8
1.0

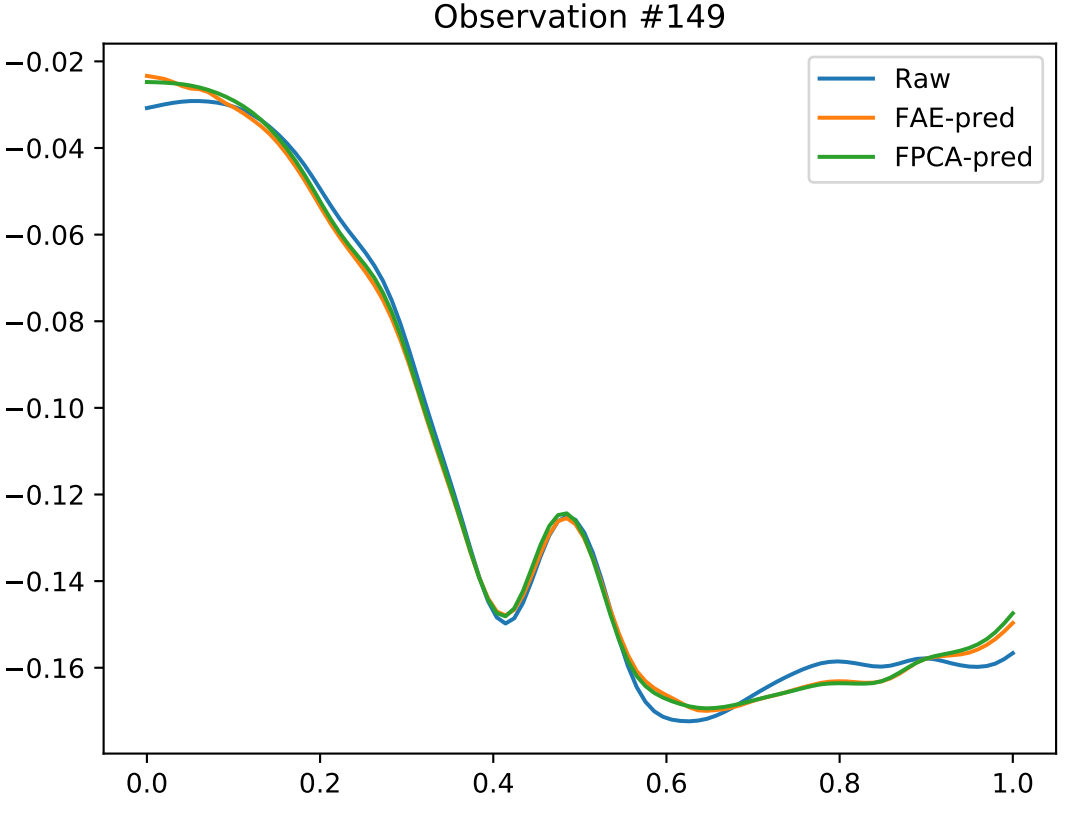

Observation #144
Raw
FAE-pred
FPCA-pred
0.65
0.60
0.55
0.50
0.45
0.0
0.2
0.4
0.6
0.8
1.0

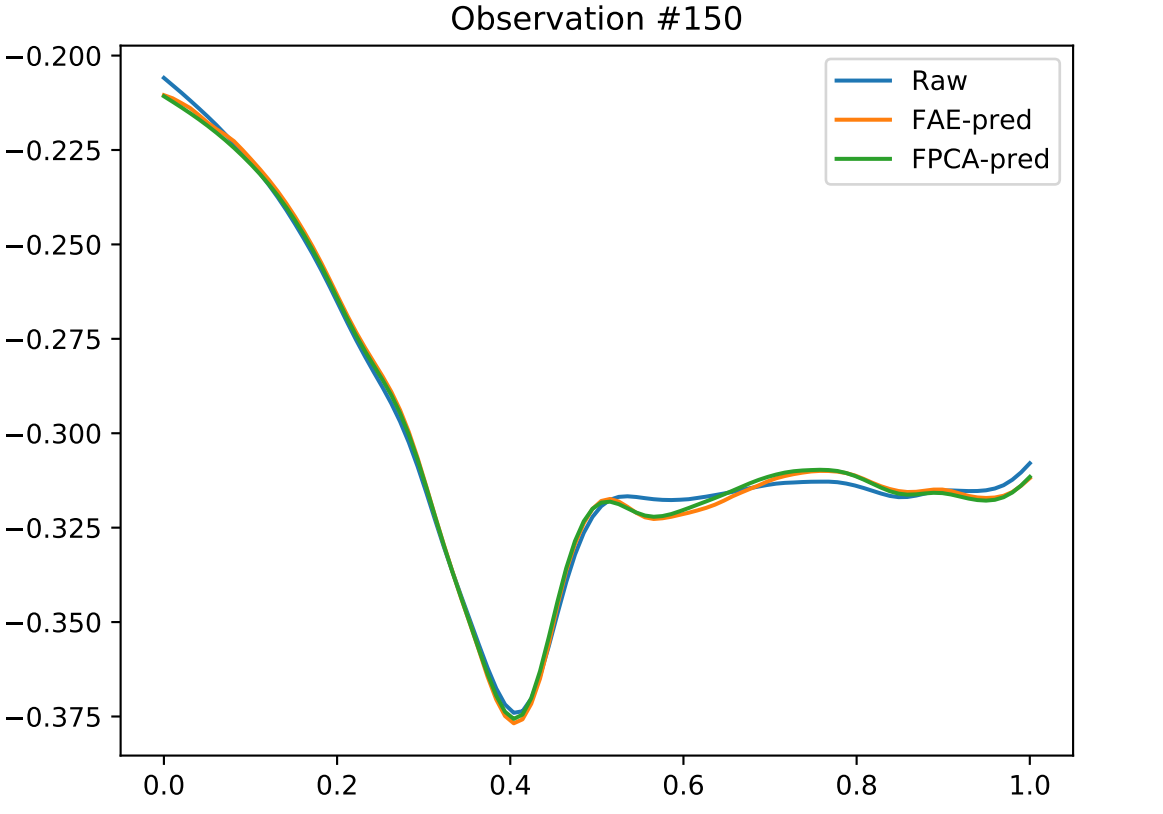

Observation #145
Raw
FAE-pred
FPCA-pred
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
−0.775
−0.800
−0.825
0.0
0.2
0.4
0.6
0.8
1.0

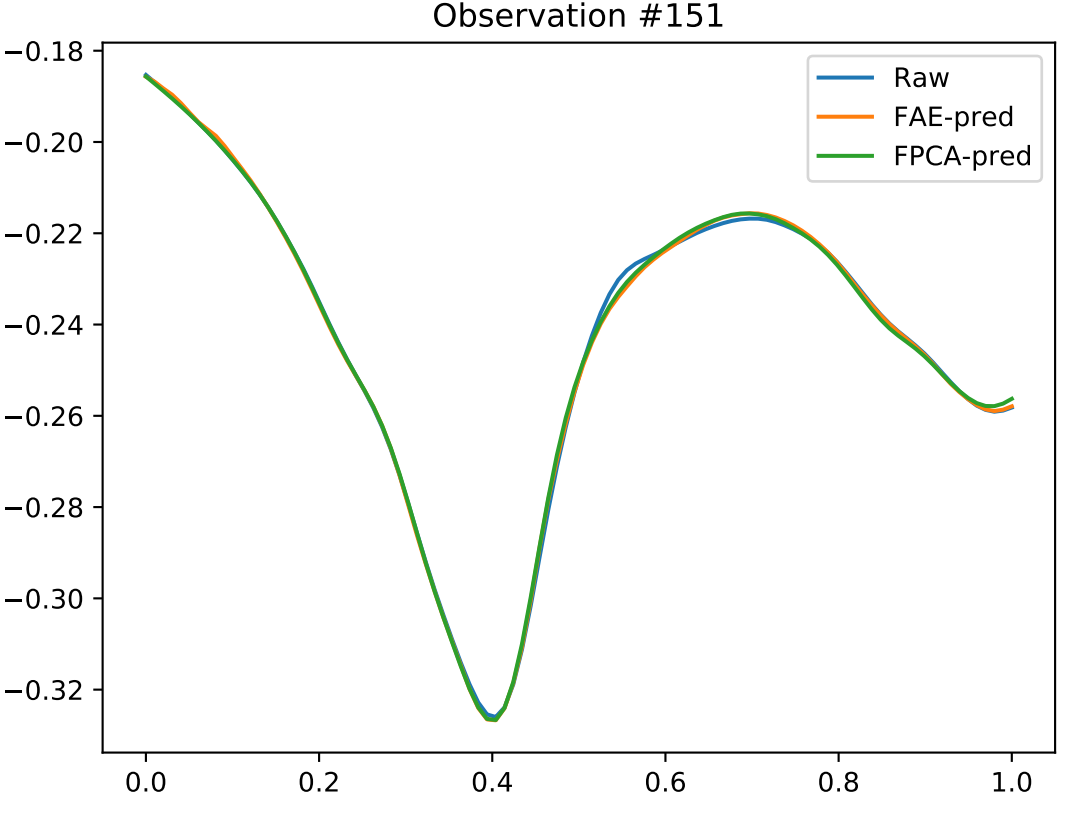

Observation #146
Raw
FAE-pred
FPCA-pred
−0.10
−0.15
−0.20
−0.25
−0.30
−0.35
−0.40
0.0
0.2
0.4
0.6
0.8
1.0

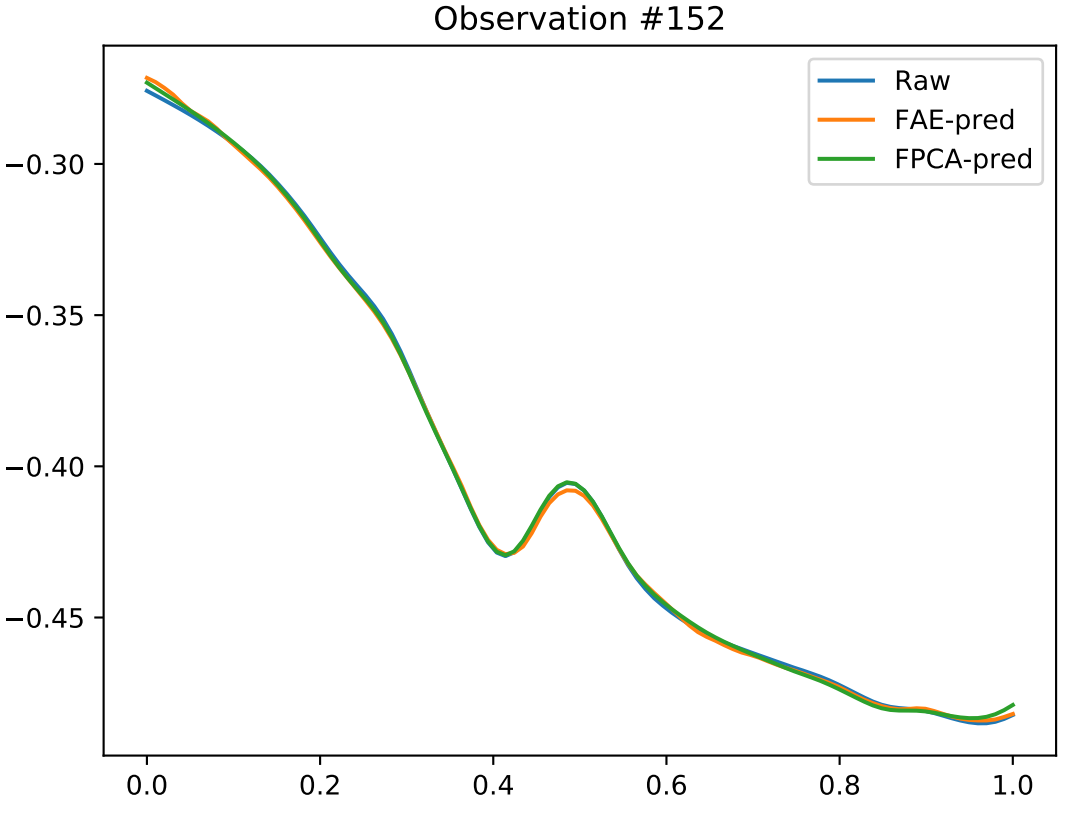

Observation #147
Raw
FAE-pred
FPCA-pred
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
0.0
0.2
0.4
0.6
0.8
1.0

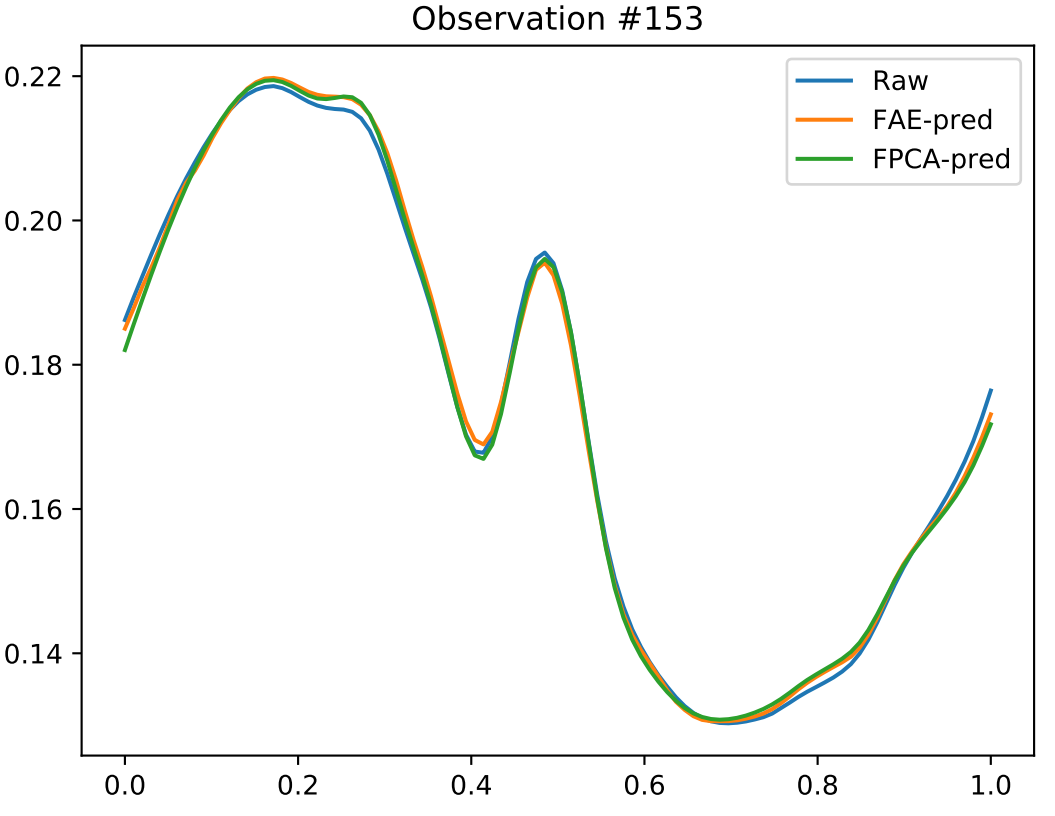

Observation #148
Raw
FAE-pred
FPCA-pred
−0.025
−0.050
−0.075
−0.100
−0.125
−0.150
−0.175
0.0
0.2
0.4
0.6
0.8
1.0

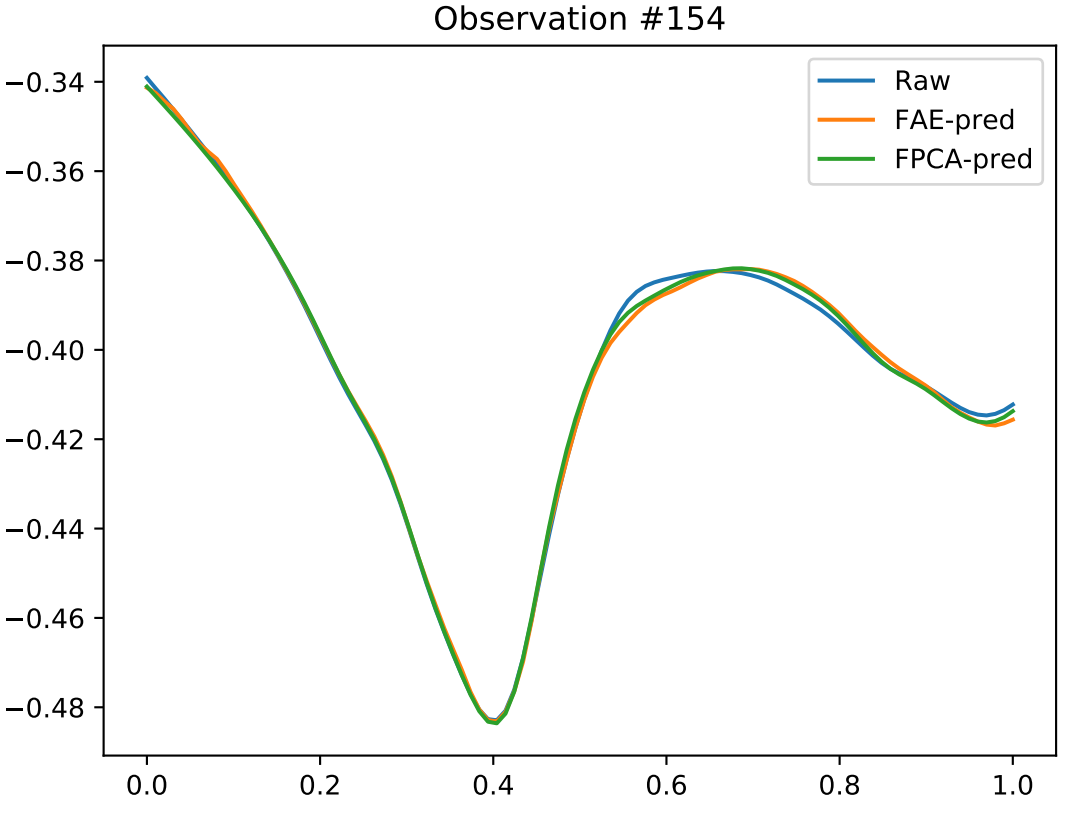

Observation #149
Raw
FAE-pred
FPCA-pred
−0.02
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
0.0
0.2
0.4
0.6
0.8
1.0

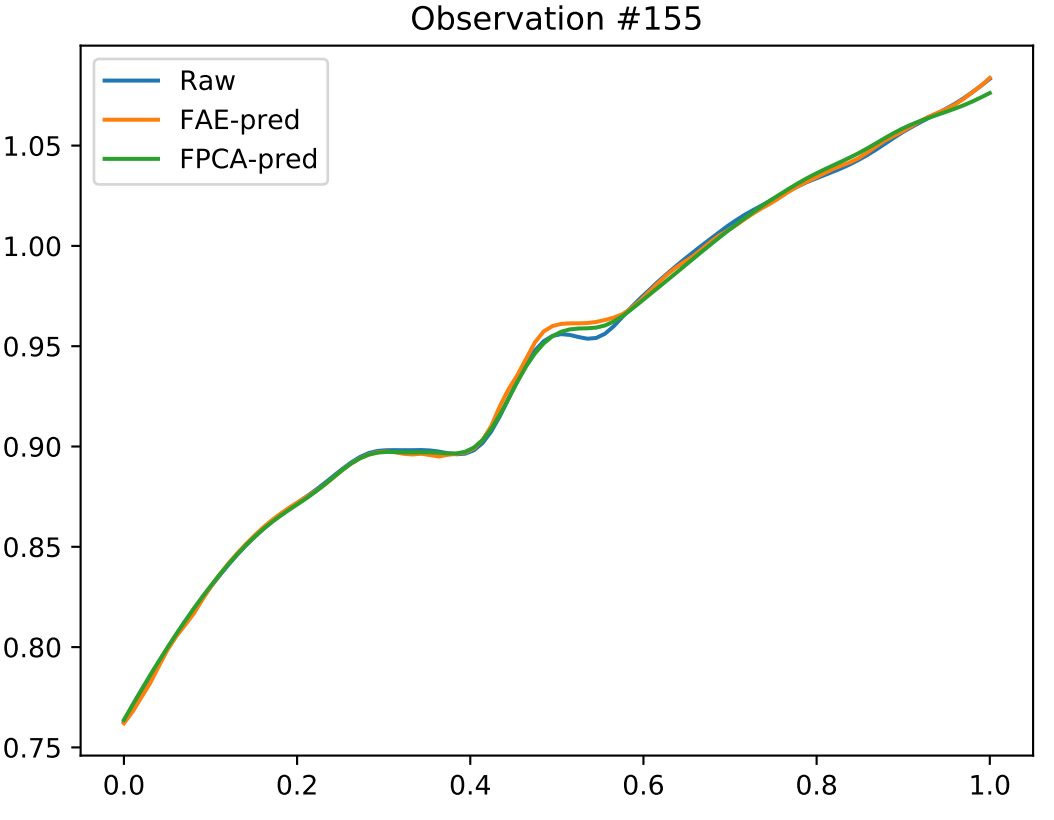

Observation #150
Raw
FAE-pred
FPCA-pred
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
0.0
0.2
0.4
0.6
0.8
1.0

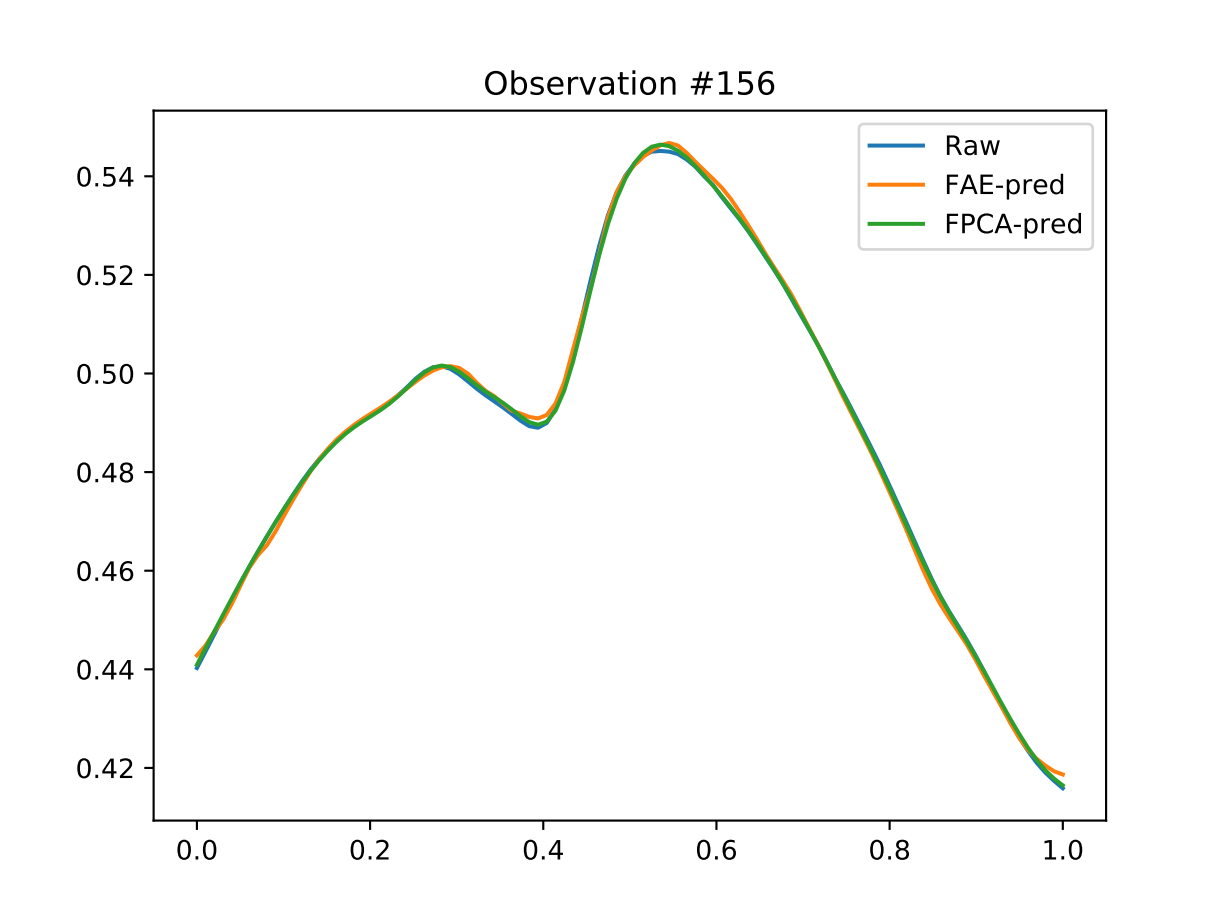

Observation #151
Raw
FAE-pred
FPCA-pred
−0.18
−0.20
−0.22
−0.24
−0.26
−0.28
−0.30
−0.32
0.0
0.2
0.4
0.6
0.8
1.0

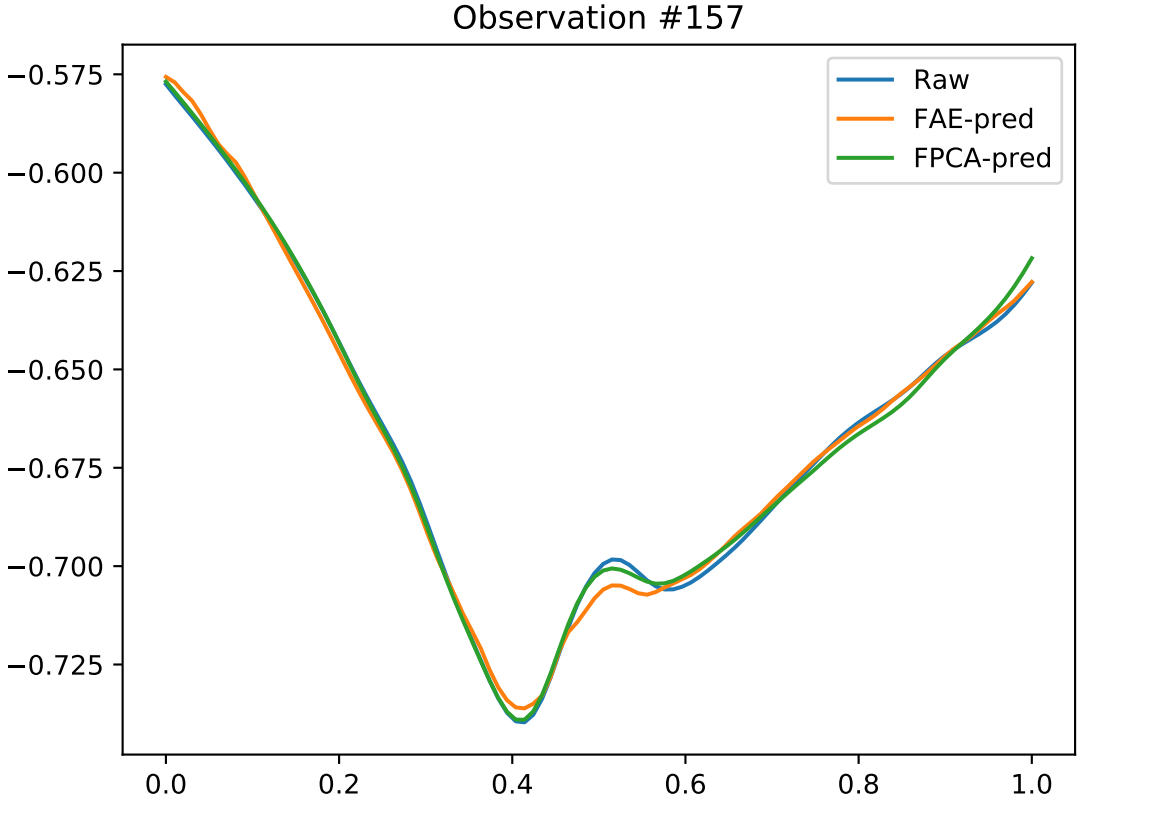

Observation #152
Raw
FAE-pred
FPCA-pred
−0.30
−0.35
−0.40
−0.45
0.0
0.2
0.4
0.6
0.8
1.0

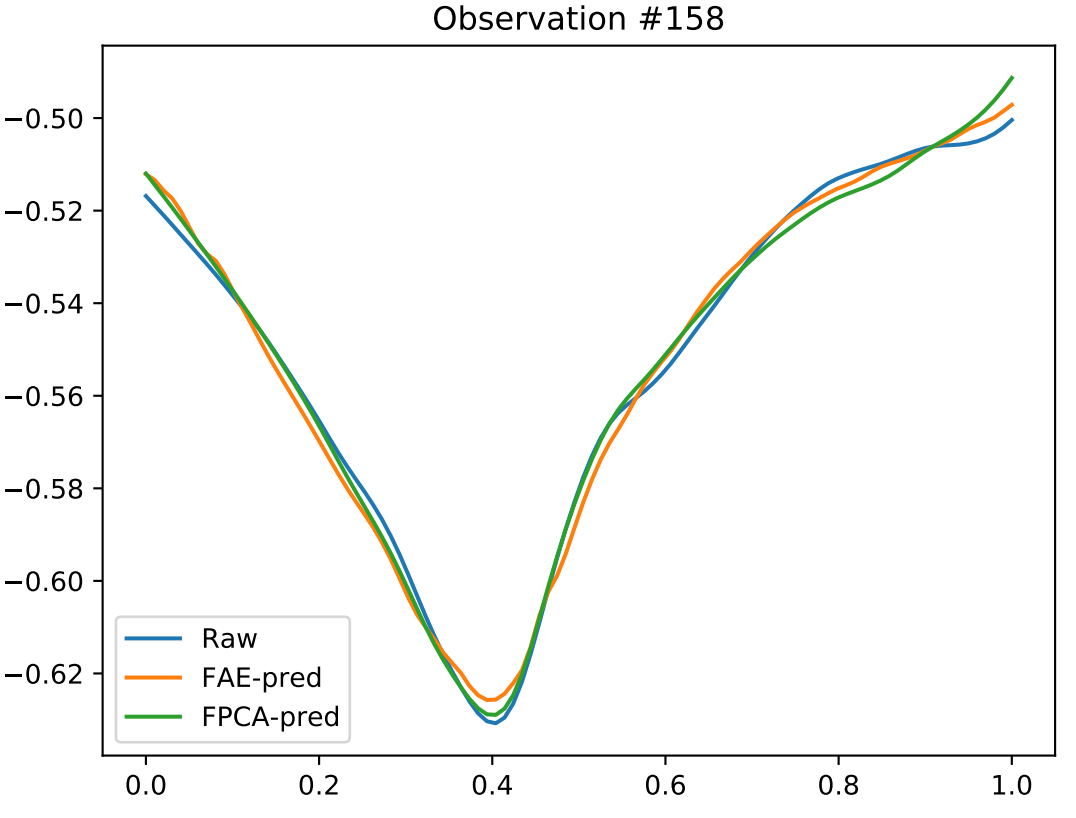

Observation #153
Raw
FAE-pred
FPCA-pred
0.22
0.20
0.18
0.16
0.14
0.0
0.2
0.4
0.6
0.8
1.0

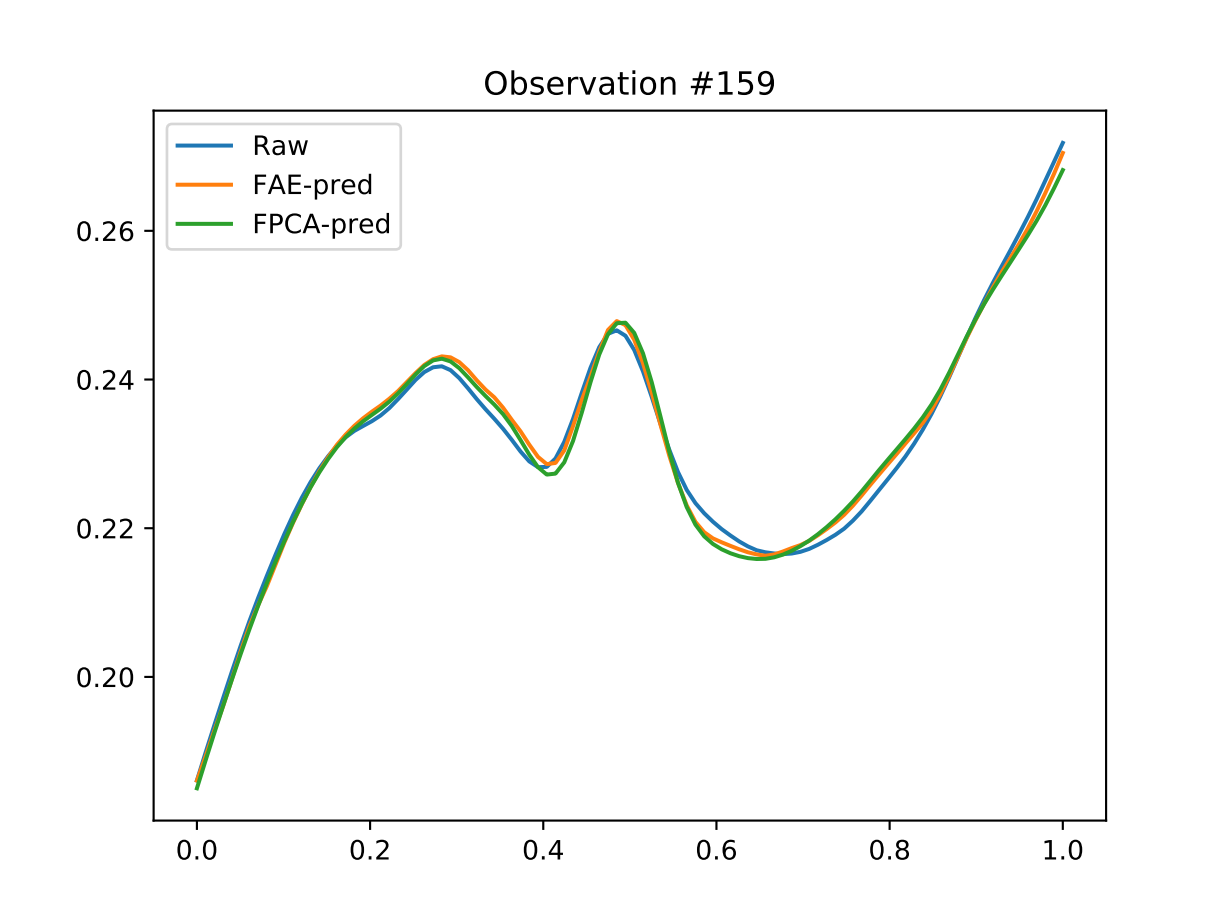

Observation #154
Raw
FAE-pred
FPCA-pred
−0.34
−0.36
−0.38
−0.40
−0.42
−0.44
−0.46
−0.48
0.0
0.2
0.4
0.6
0.8
1.0

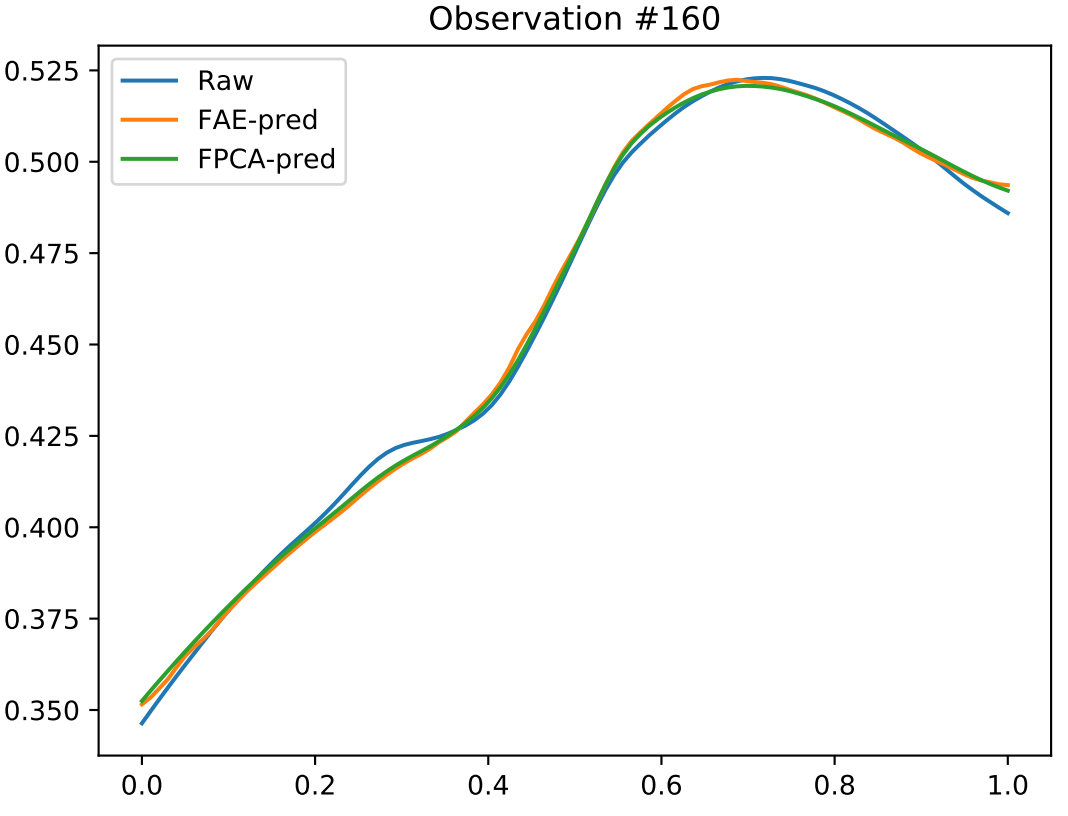

Observation #155
Raw
FAE-pred
FPCA-pred
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.0
0.2
0.4
0.6
0.8
1.0

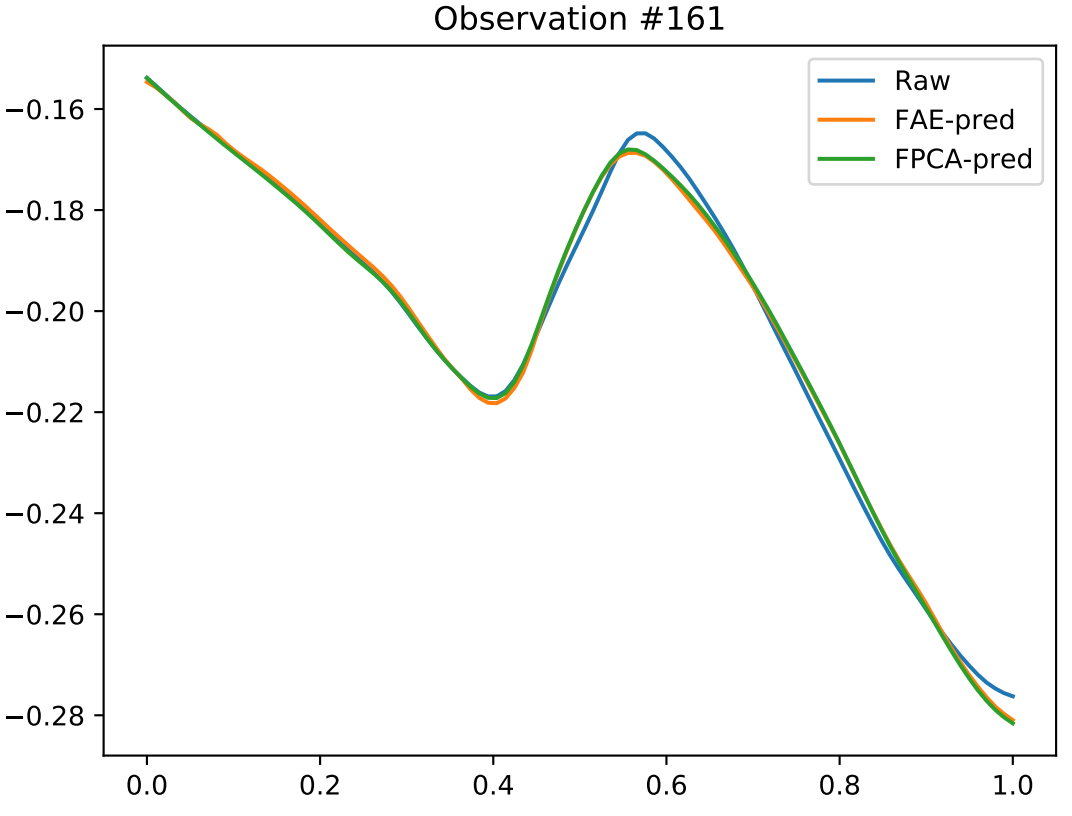

Observation #156
Raw
FAE-pred
FPCA-pred
0.54
0.52
0.50
0.48
0.46
0.44
0.42
0.0
0.2
0.4
0.6
0.8
1.0

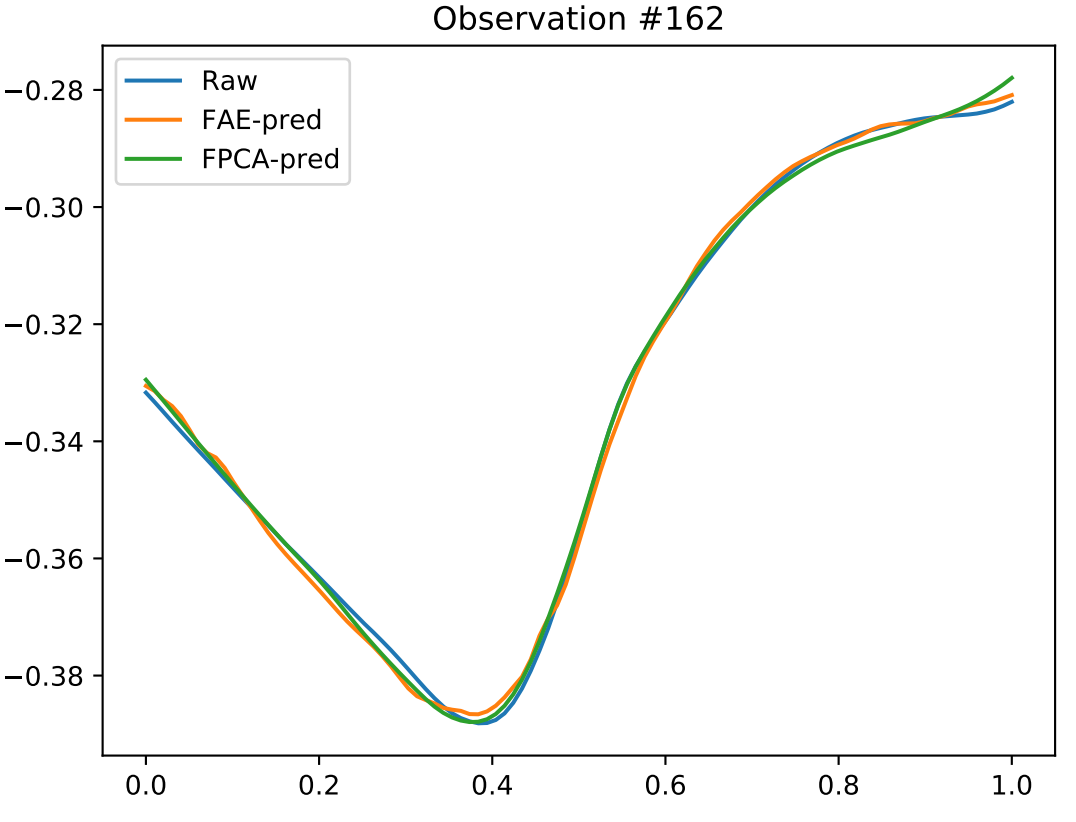

Observation #157
Raw
FAE-pred
FPCA-pred
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
−0.725
0.0
0.2
0.4
0.6
0.8
1.0

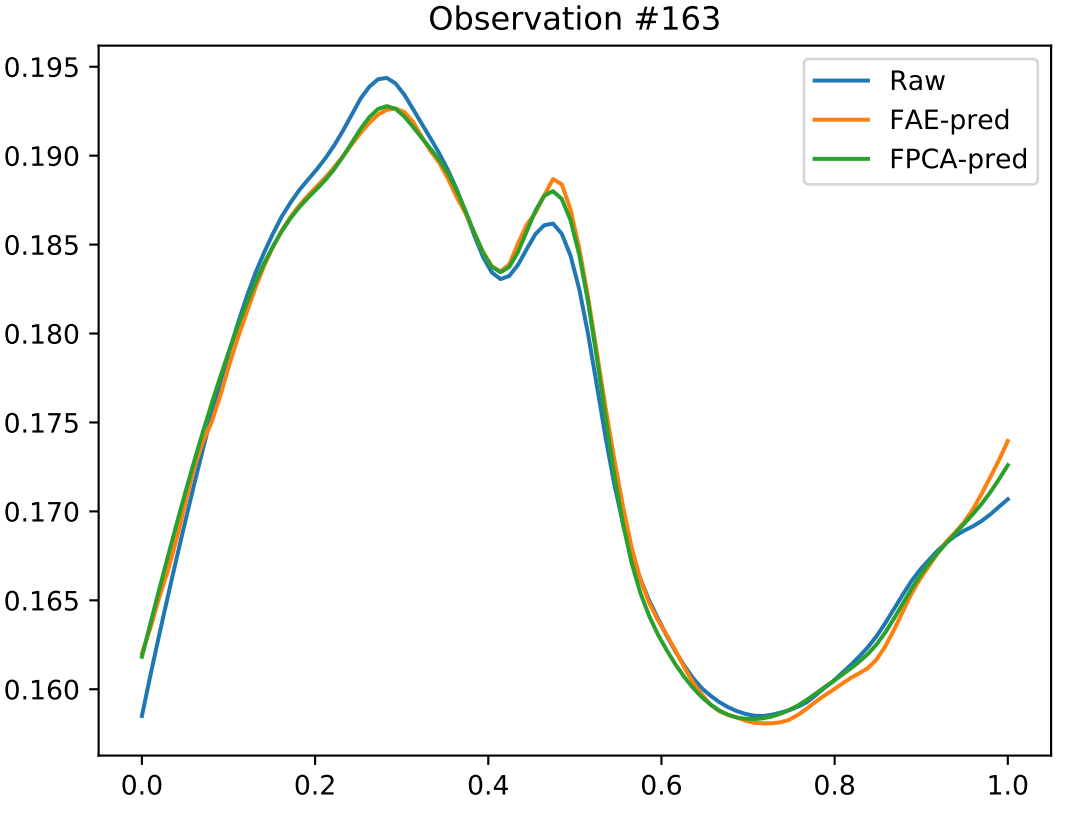

Observation #158
−0.50
−0.52
−0.54
−0.56
−0.58
−0.60
−0.62
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

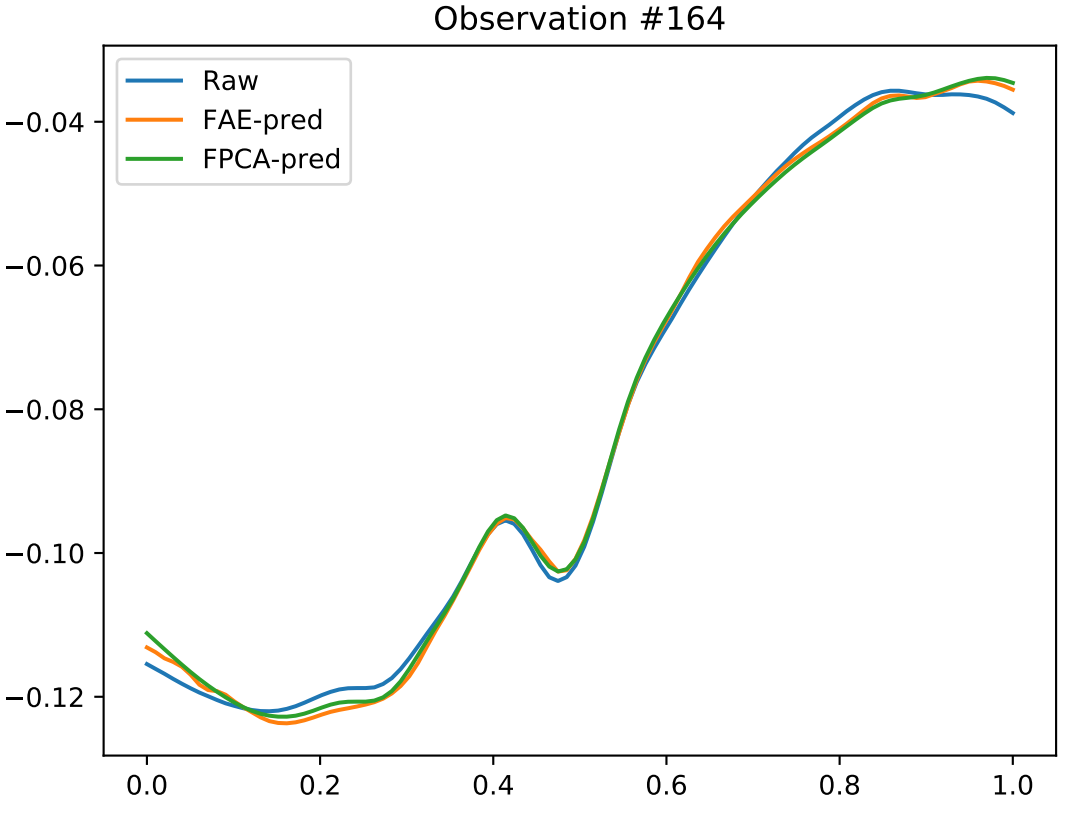

Observation #159
Raw
FAE-pred
FPCA-pred
0.26
0.24
0.22
0.20
0.0
0.2
0.4
0.6
0.8
1.0

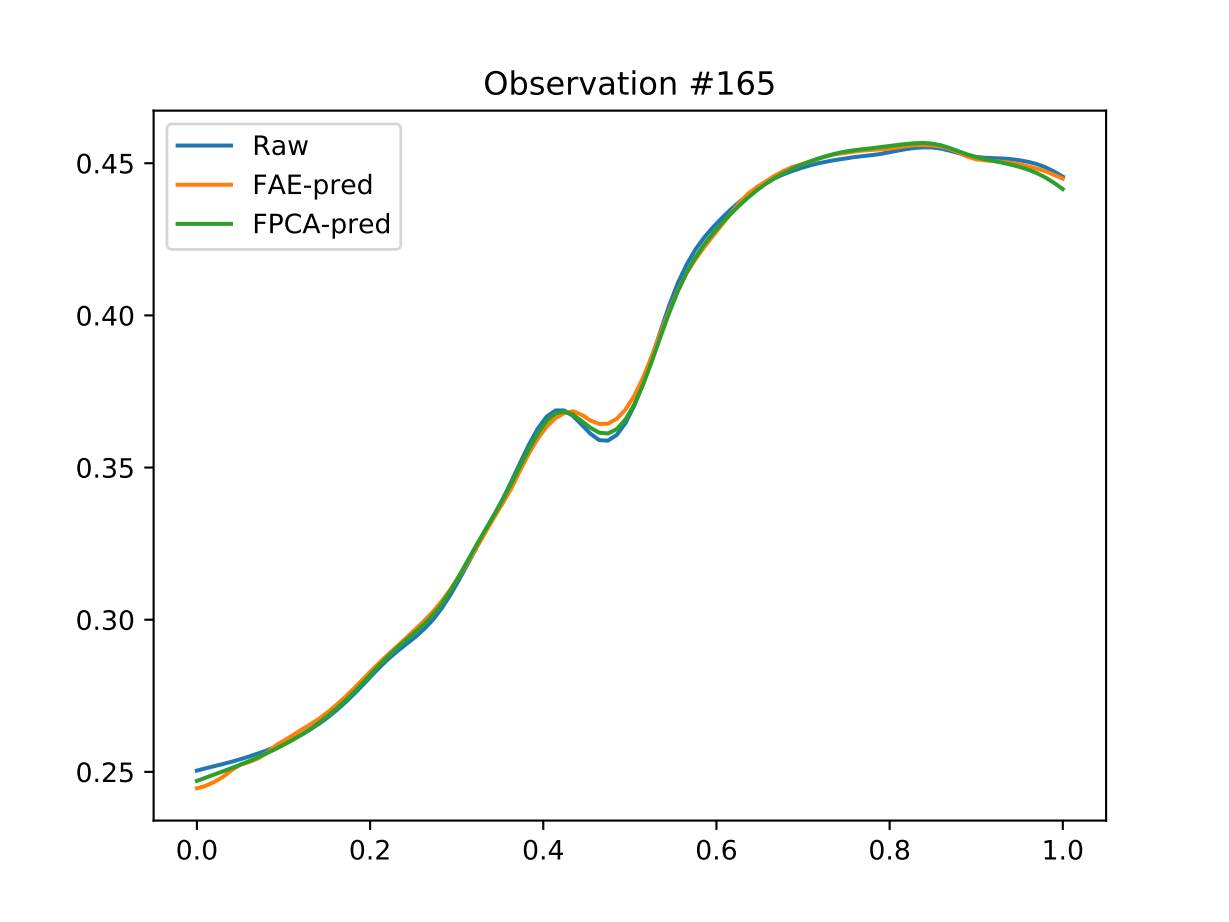

Observation #160
Raw
FAE-pred
FPCA-pred
0.525
0.500
0.475
0.450
0.425
0.400
0.375
0.350
0.0
0.2
0.4
0.6
0.8
1.0

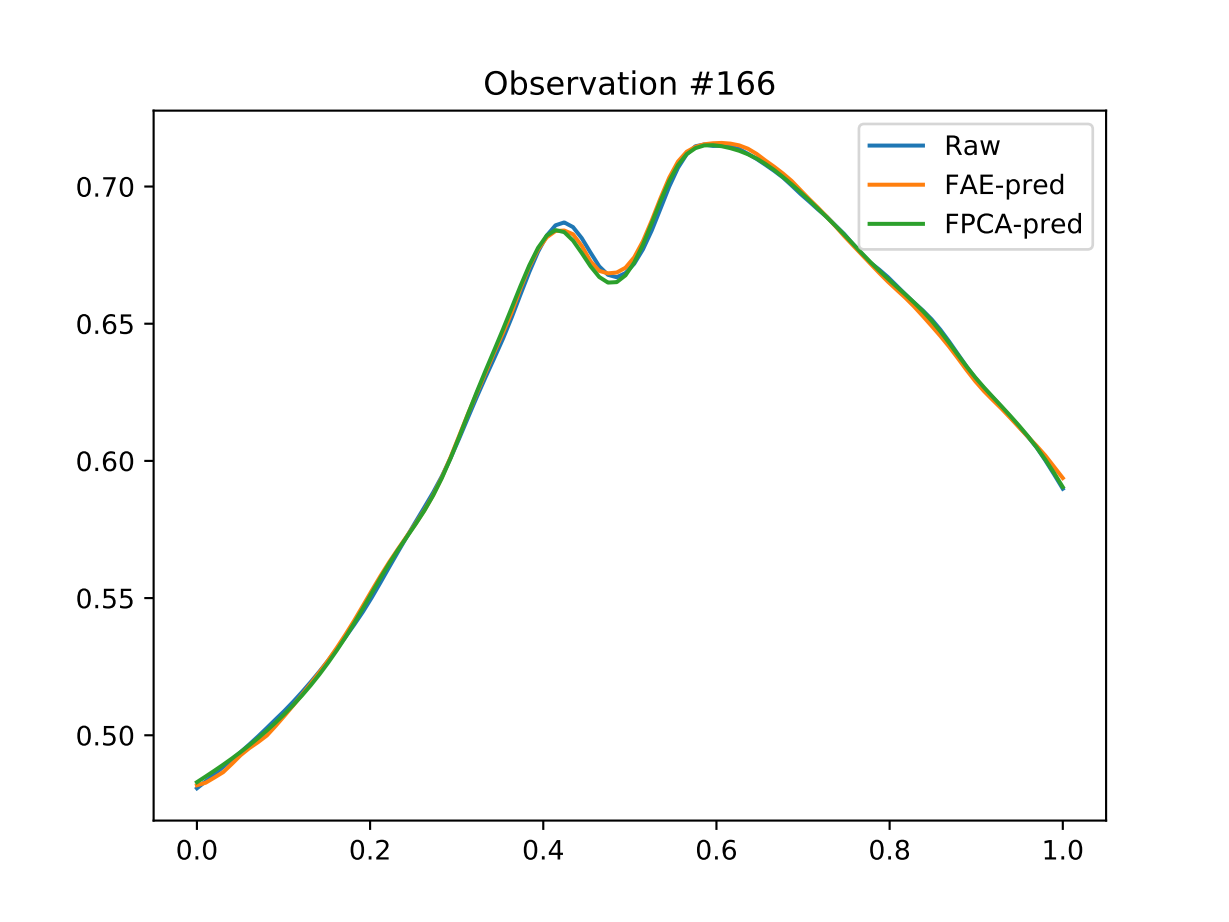

Observation #161
Raw
FAE-pred
FPCA-pred
−0.16
−0.18
−0.20
−0.22
−0.24
−0.26
−0.28
0.0
0.2
0.4
0.6
0.8
1.0

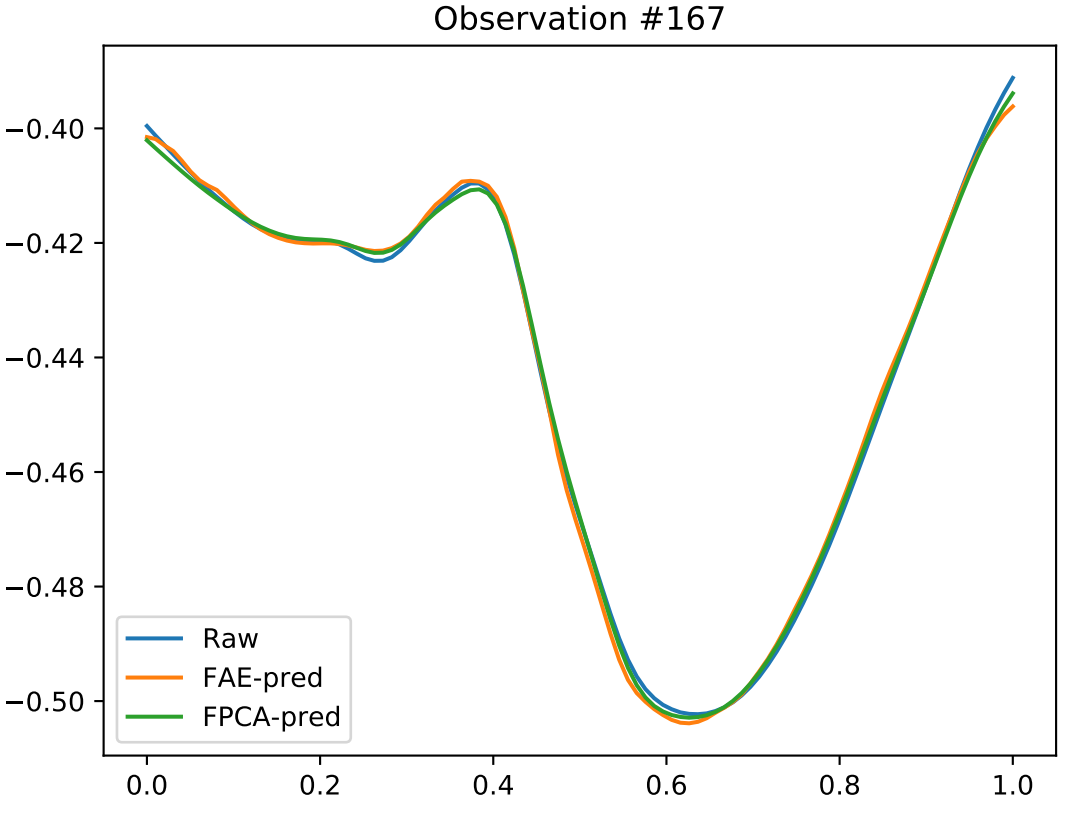

Observation #162
Raw
FAE-pred
FPCA-pred
−0.28
−0.30
−0.32
−0.34
−0.36
−0.38
0.0
0.2
0.4
0.6
0.8
1.0

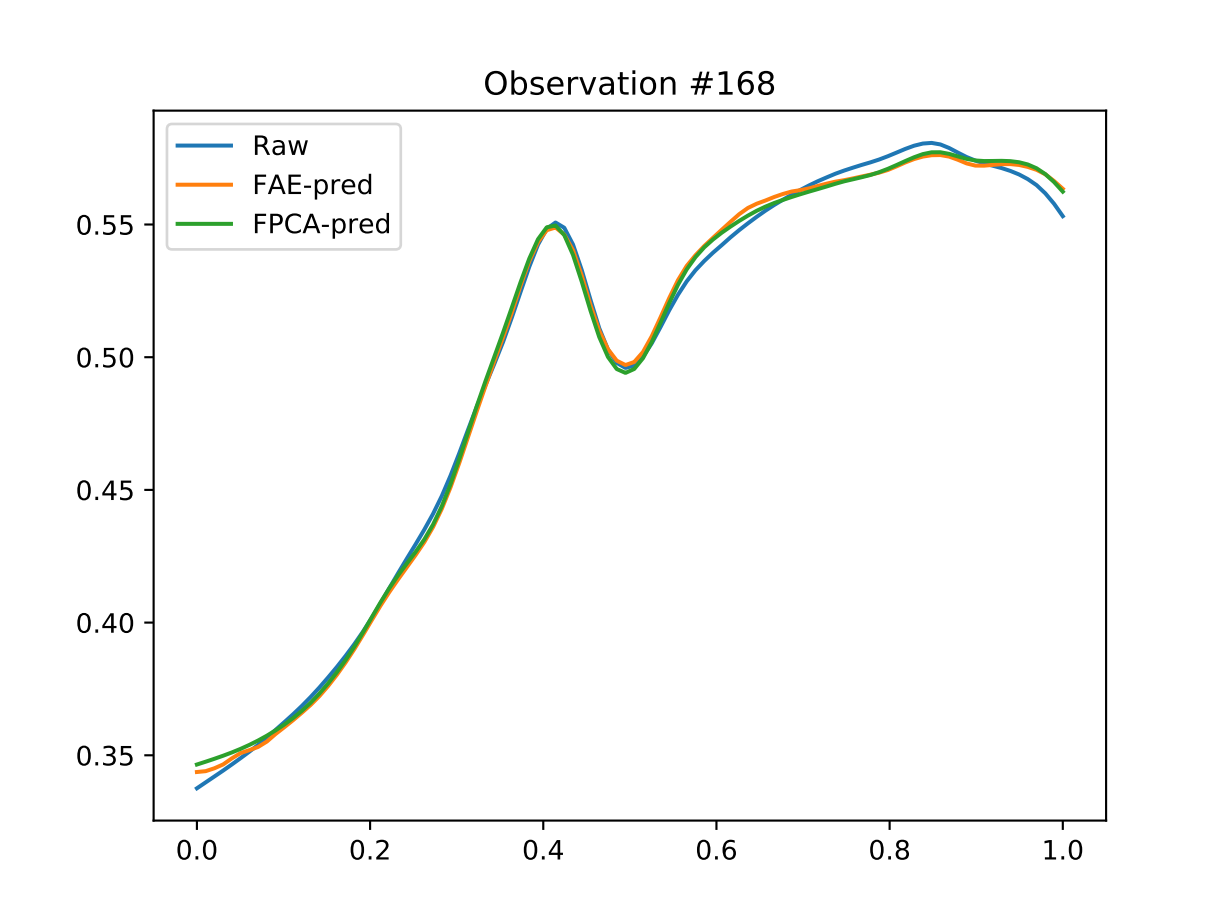

Observation #163
Raw
FAE-pred
FPCA-pred
0.195
0.190
0.185
0.180
0.175
0.170
0.165
0.160
0.0
0.2
0.4
0.6
0.8
1.0

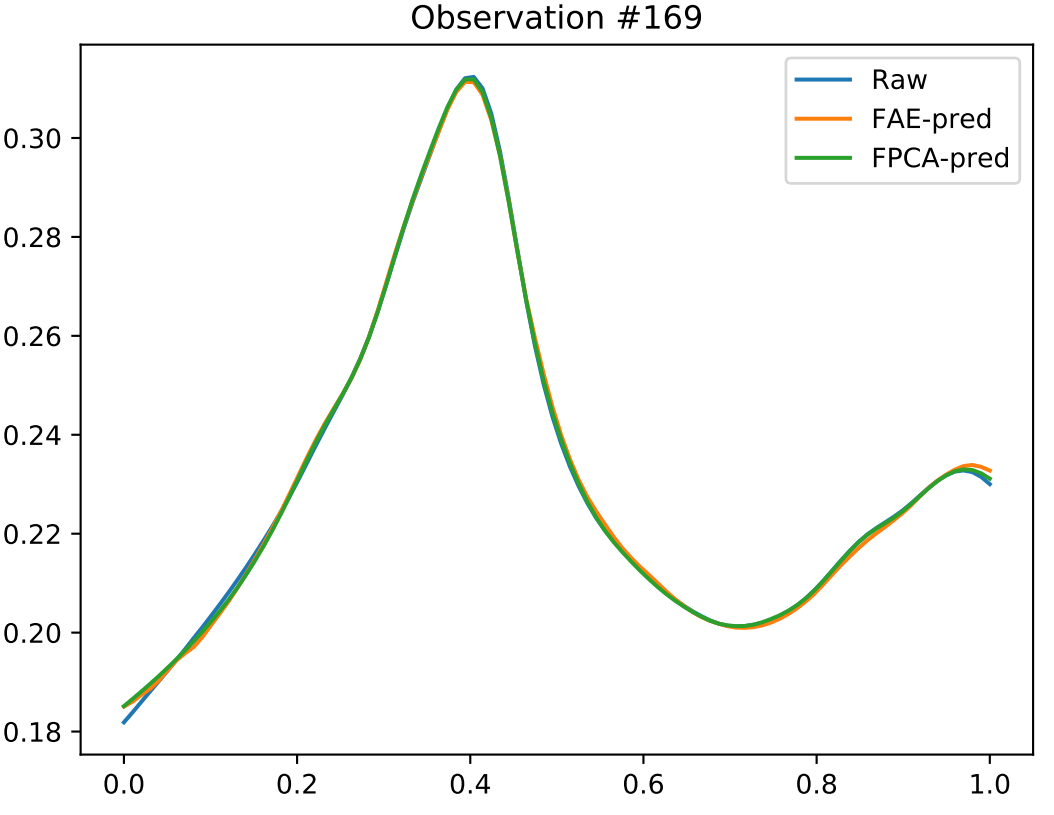

Observation #164
Raw
FAE-pred
FPCA-pred
−0.04
−0.06
−0.08
−0.10
−0.12
0.0
0.2
0.4
0.6
0.8
1.0

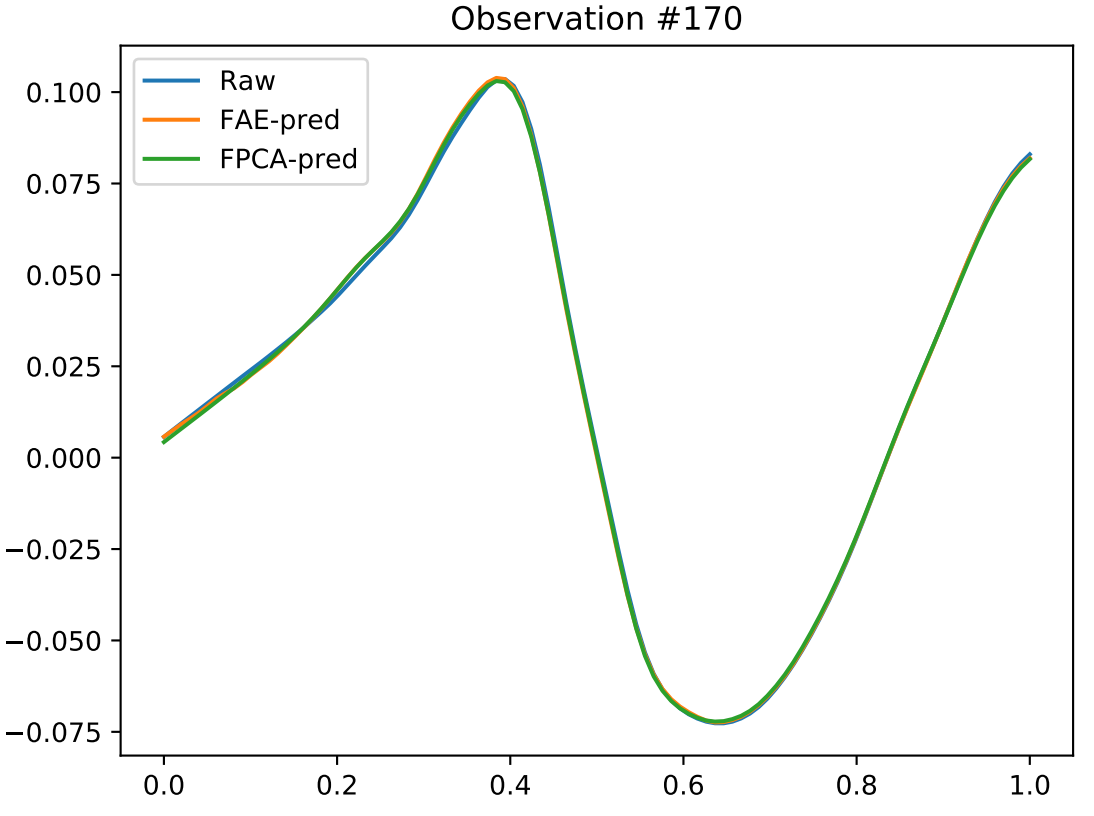

Observation #165
Raw
FAE-pred
FPCA-pred
0.45
0.40
0.35
0.30
0.25
0.0
0.2
0.4
0.6
0.8
1.0

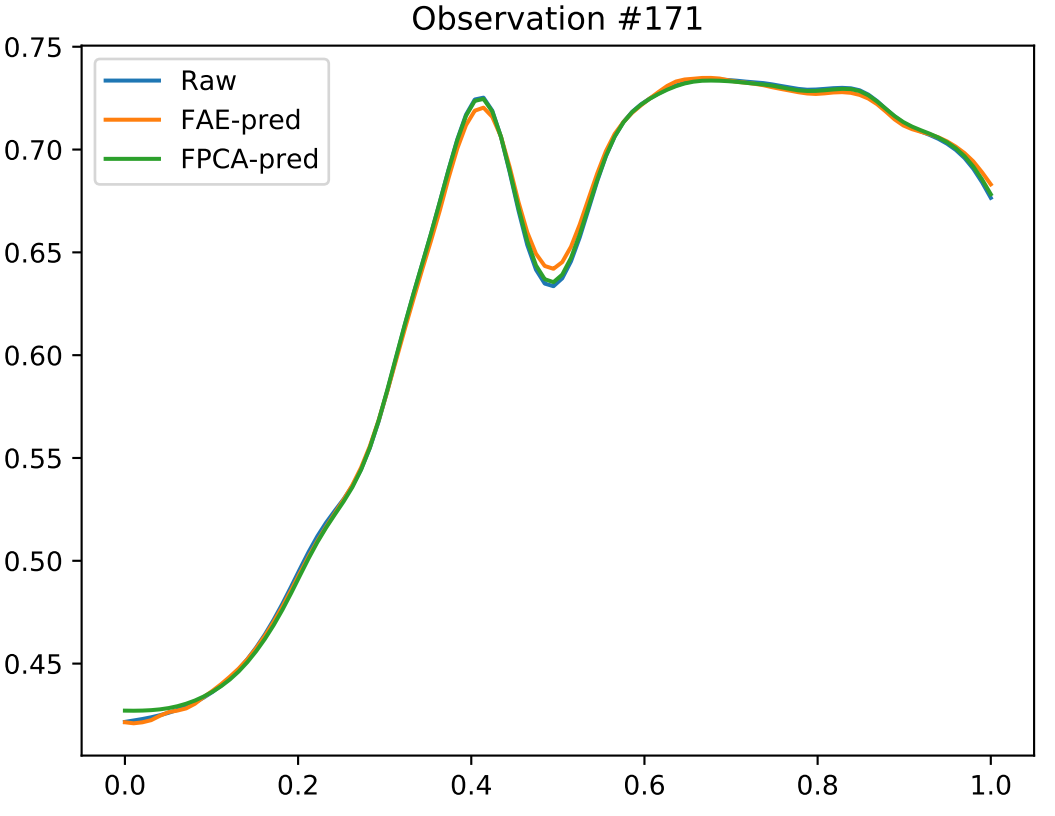

Observation #166
Raw
FAE-pred
FPCA-pred
0.70
0.65
0.60
0.55
0.50
0.0
0.2
0.4
0.6
0.8
1.0

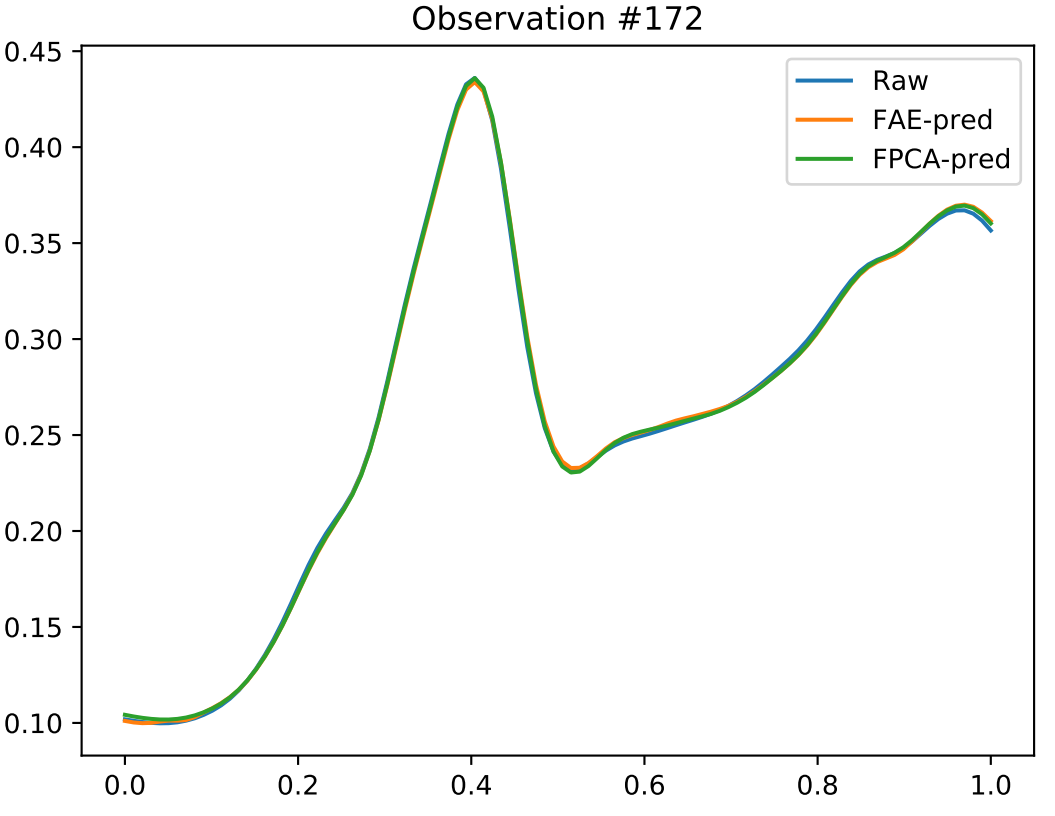

Observation #167
−0.40
−0.42
−0.44
−0.46
−0.48
−0.50
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

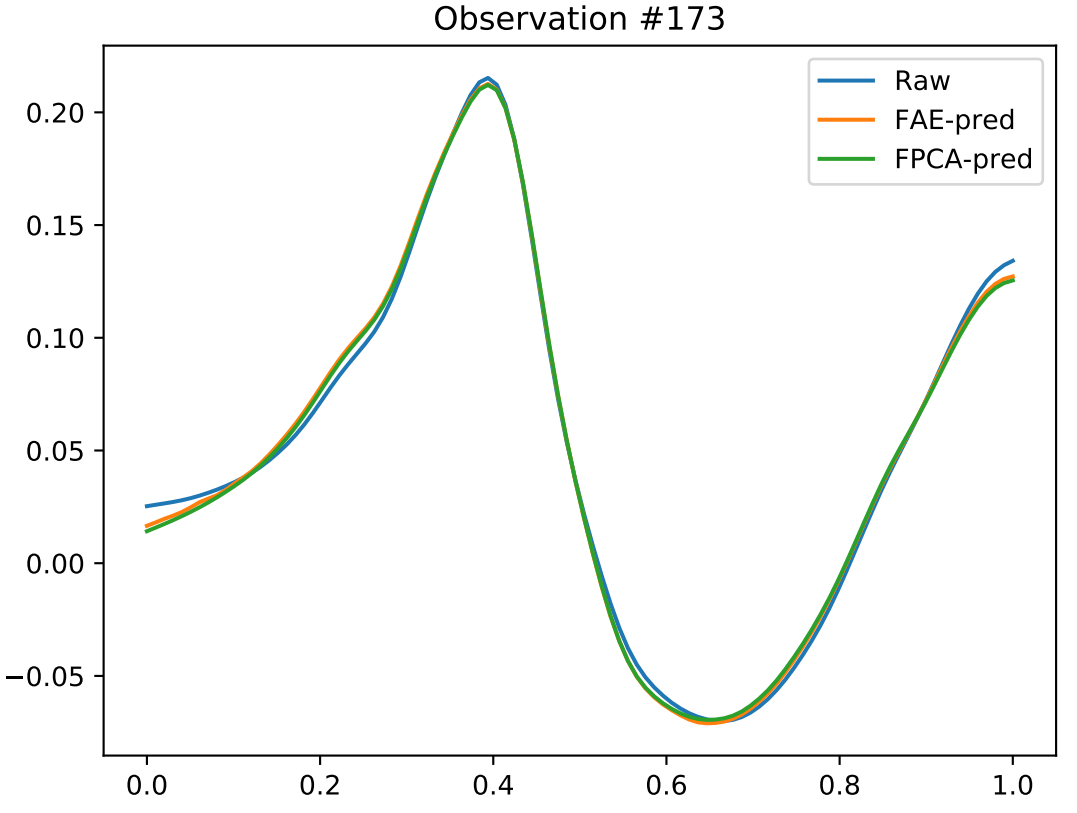

Observation #168
Raw
FAE-pred
FPCA-pred
0.55
0.50
0.45
0.40
0.35
0.0
0.2
0.4
0.6
0.8
1.0

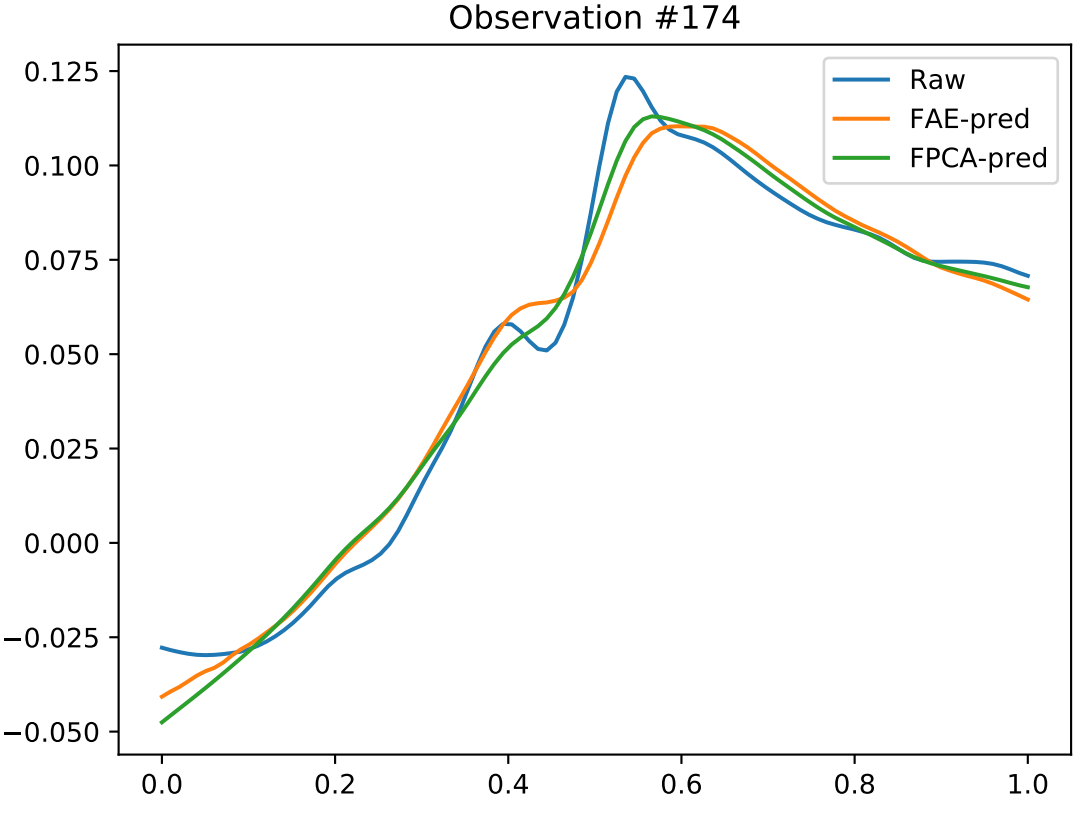

Observation #169
Raw
FAE-pred
FPCA-pred
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.0
0.2
0.4
0.6
0.8
1.0

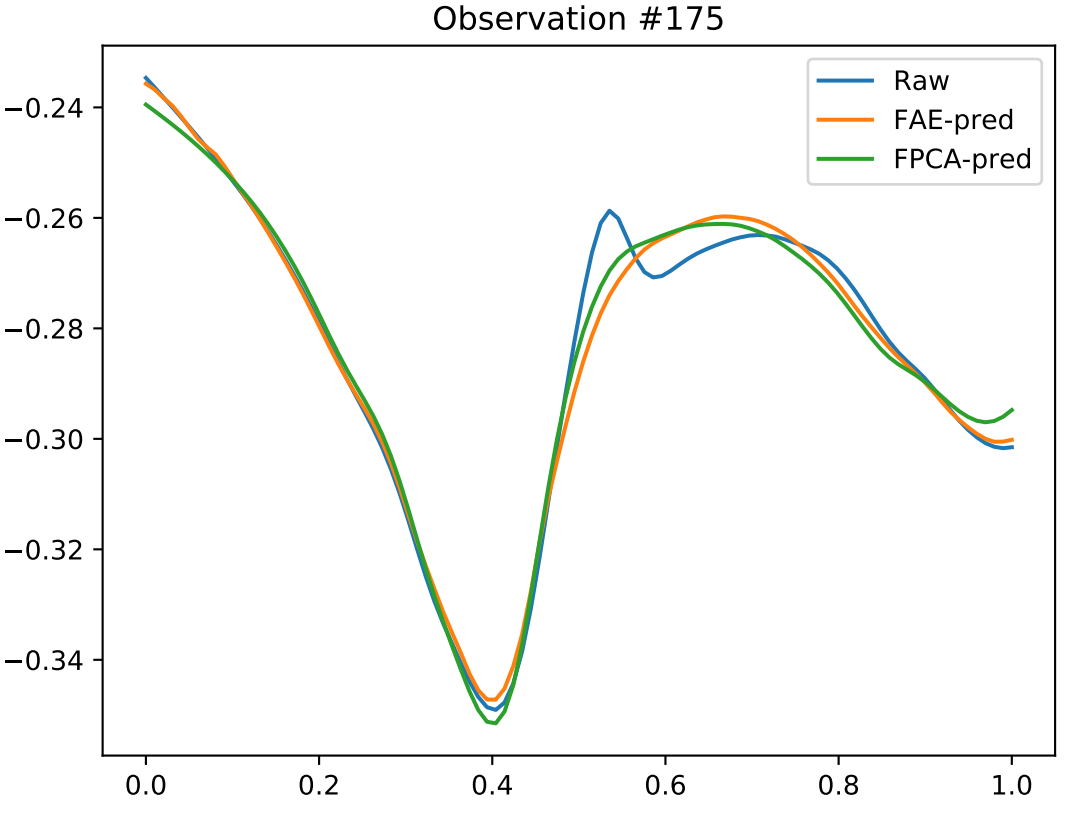

Observation #170
Raw
FAE-pred
FPCA-pred
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
0.0
0.2
0.4
0.6
0.8
1.0

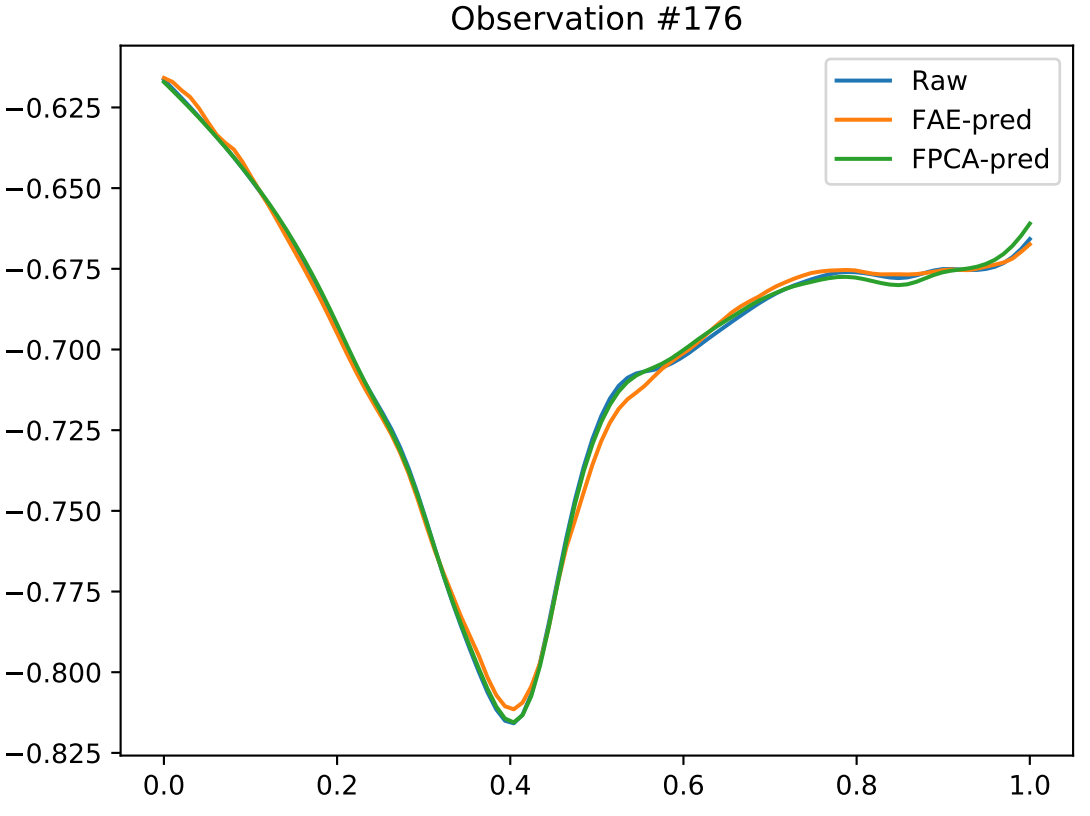

Observation #171
Raw
FAE-pred
FPCA-pred
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.0
0.2
0.4
0.6
0.8
1.0

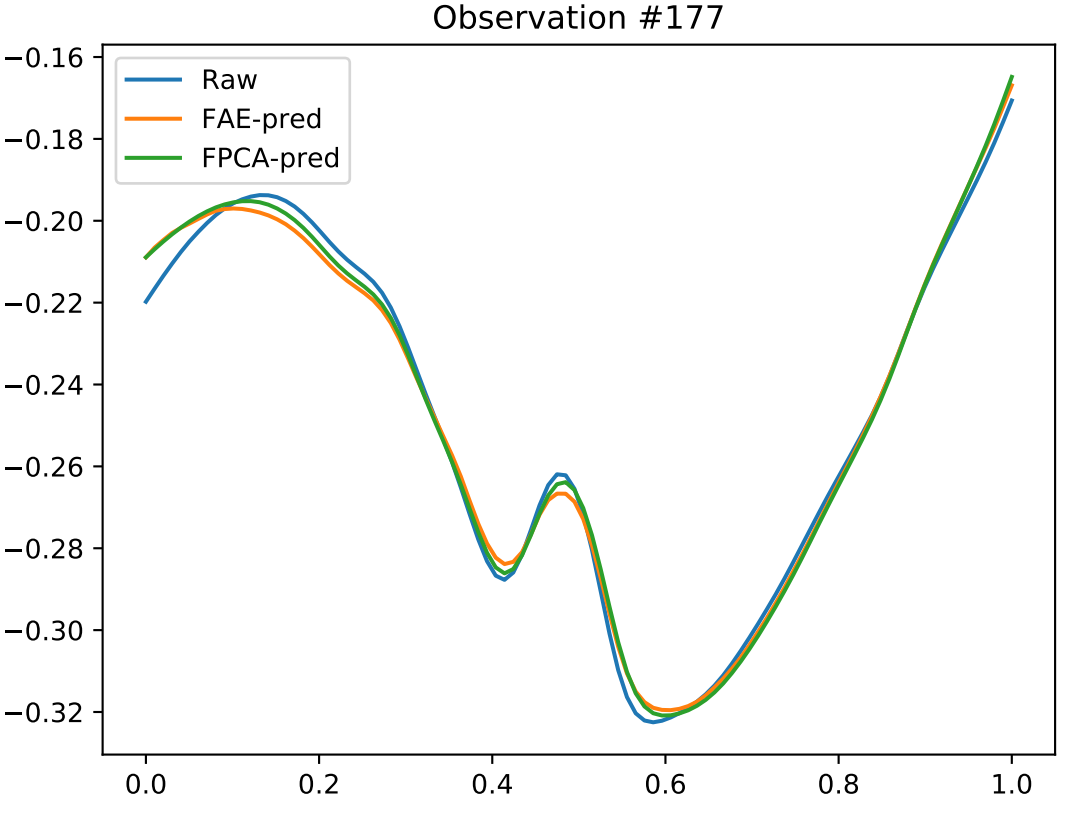

Observation #172
Raw
FAE-pred
FPCA-pred
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.0
0.2
0.4
0.6
0.8
1.0

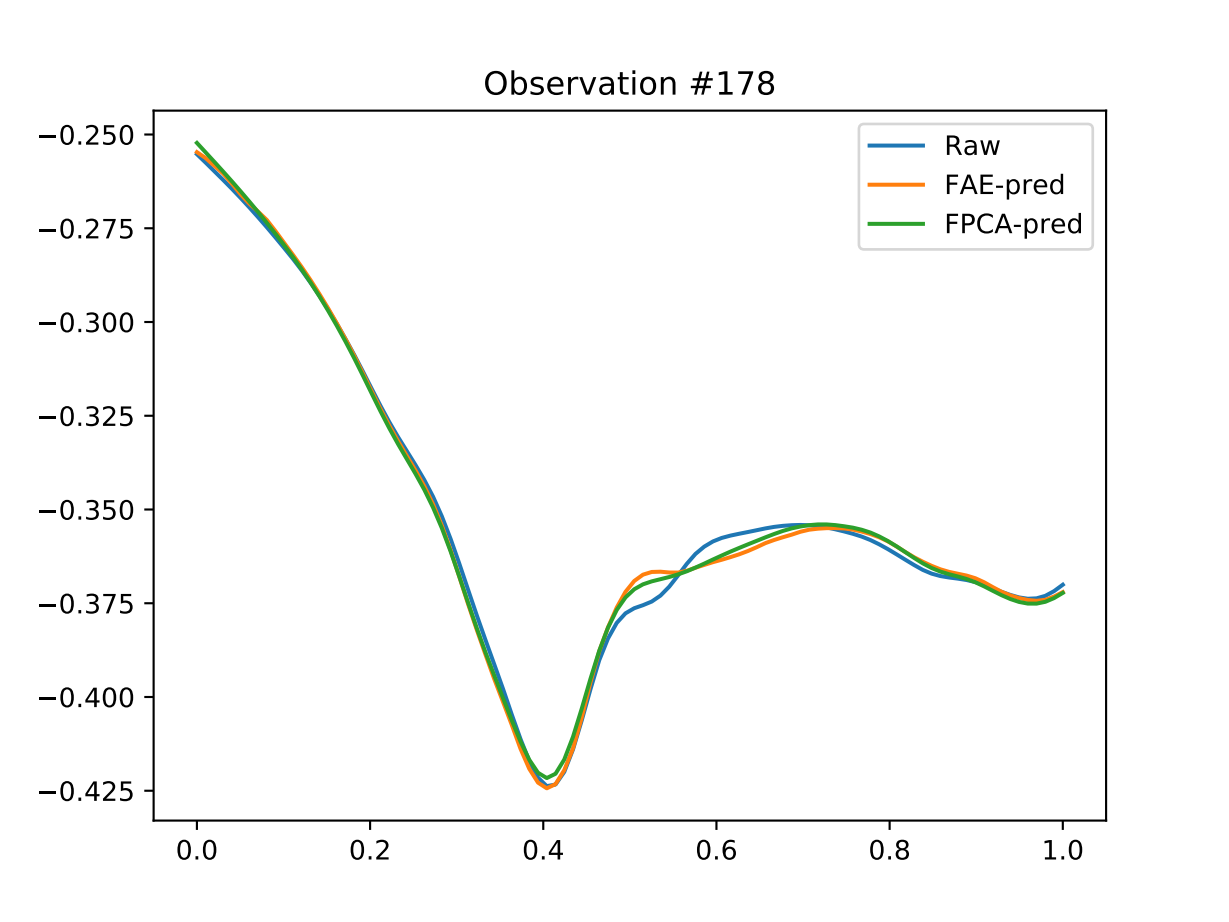

Observation #173
Raw
FAE-pred
FPCA-pred
0.20
0.15
0.10
0.05
0.00
−0.05
0.0
0.2
0.4
0.6
0.8
1.0

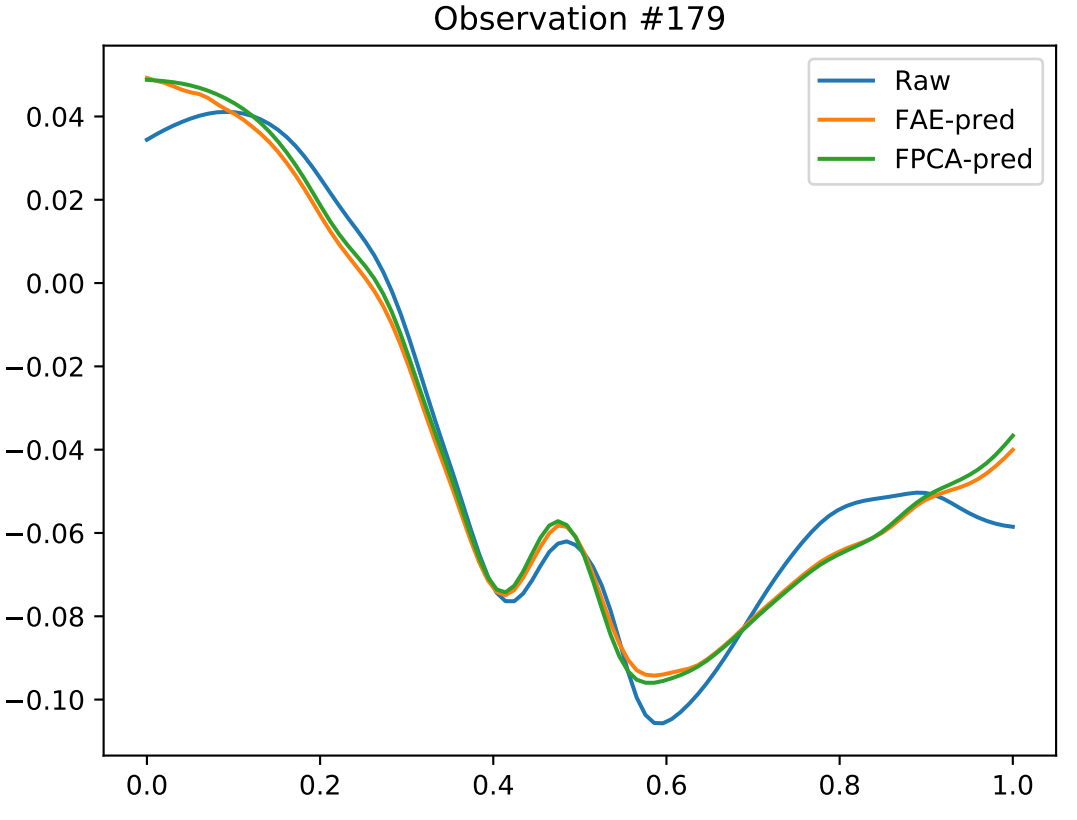

Observation #174
Raw
FAE-pred
FPCA-pred
0.125
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
0.0
0.2
0.4
0.6
0.8
1.0

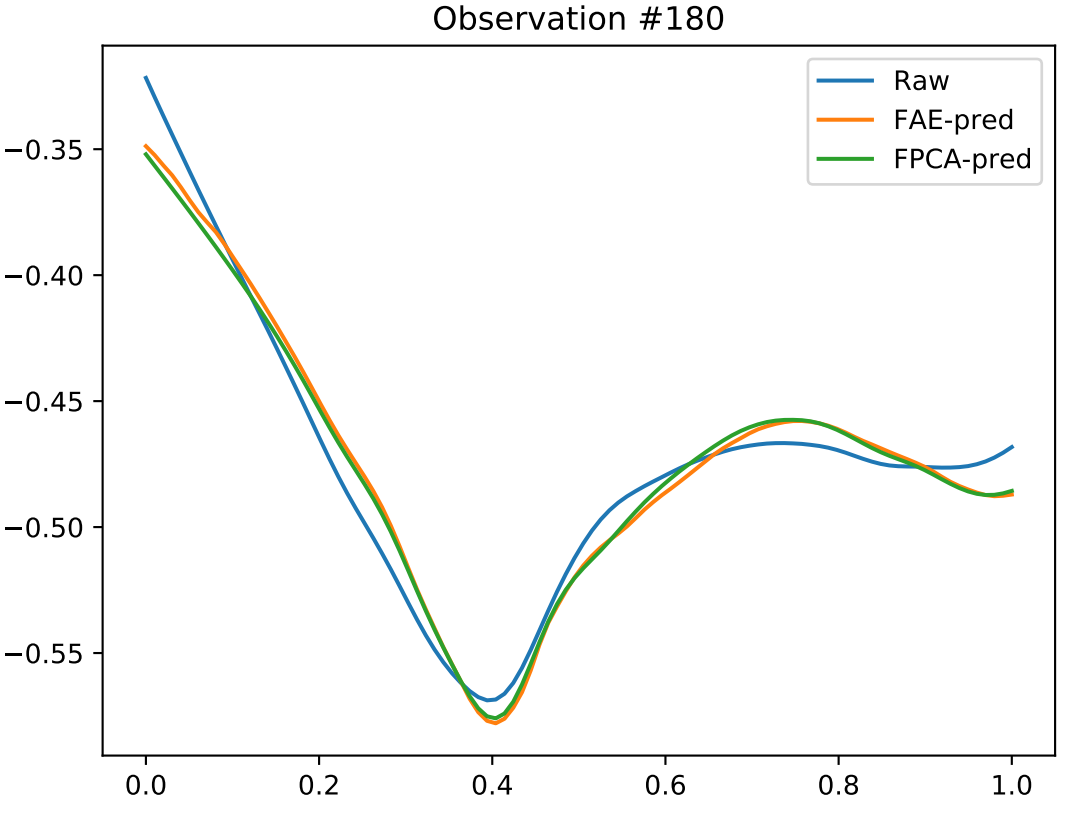

Observation #175
Raw
FAE-pred
FPCA-pred
−0.24
−0.26
−0.28
−0.30
−0.32
−0.34
0.0
0.2
0.4
0.6
0.8
1.0

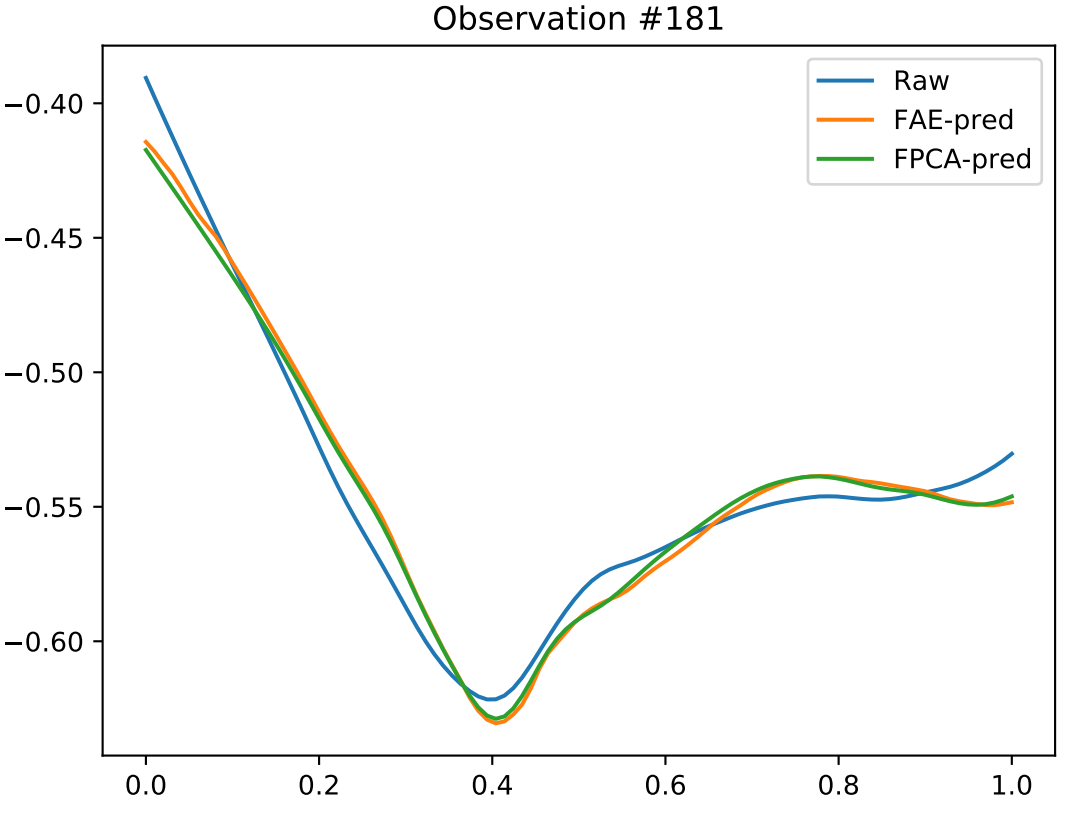

Observation #176
Raw
FAE-pred
FPCA-pred
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
−0.775
−0.800
−0.825
0.0
0.2
0.4
0.6
0.8
1.0

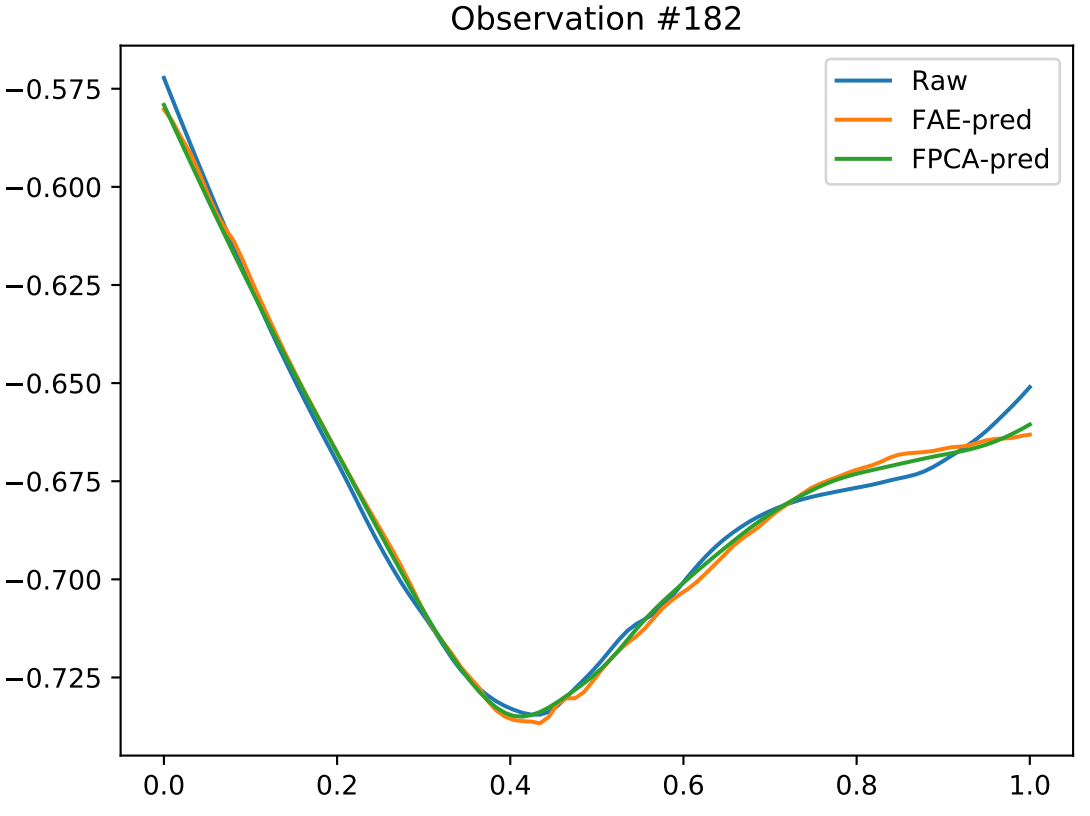

Observation #177
Raw
FAE-pred
FPCA-pred
−0.16
−0.18
−0.20
−0.22
−0.24
−0.26
−0.28
−0.30
−0.32
0.0
0.2
0.4
0.6
0.8
1.0

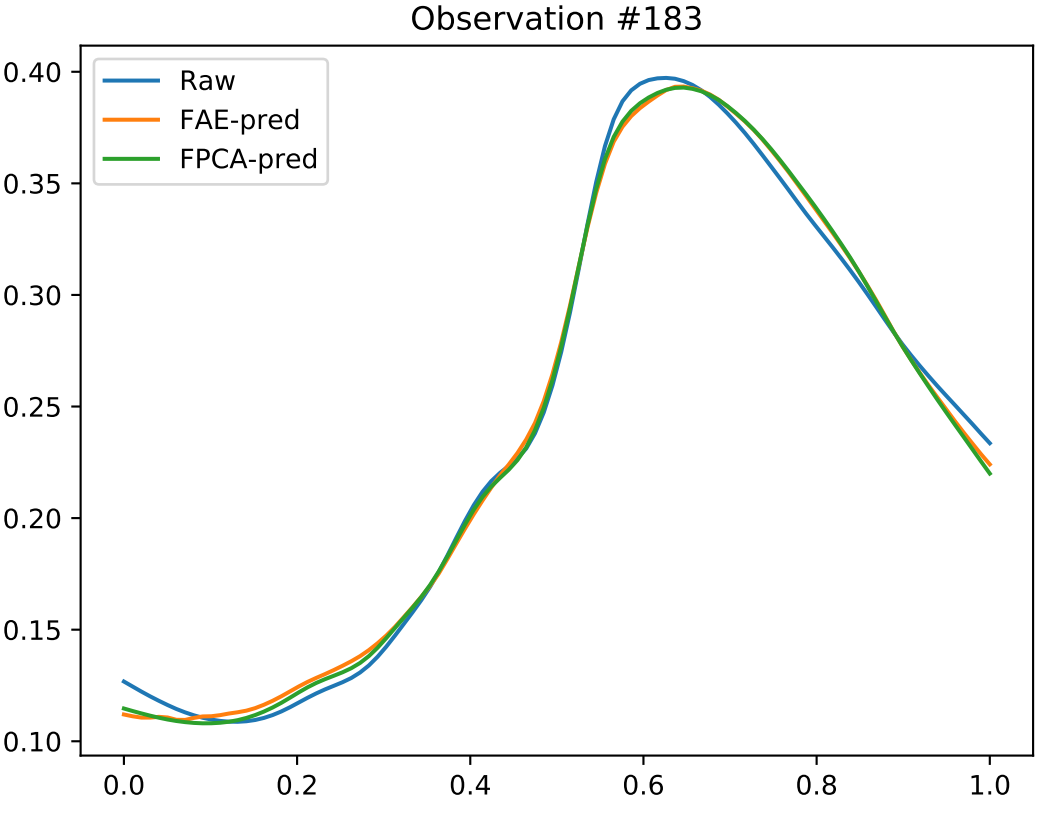

Observation #178
Raw
FAE-pred
FPCA-pred
−0.250
−0.275
−0.300
−0.325
−0.350
−0.375
−0.400
−0.425
0.0
0.2
0.4
0.6
0.8
1.0

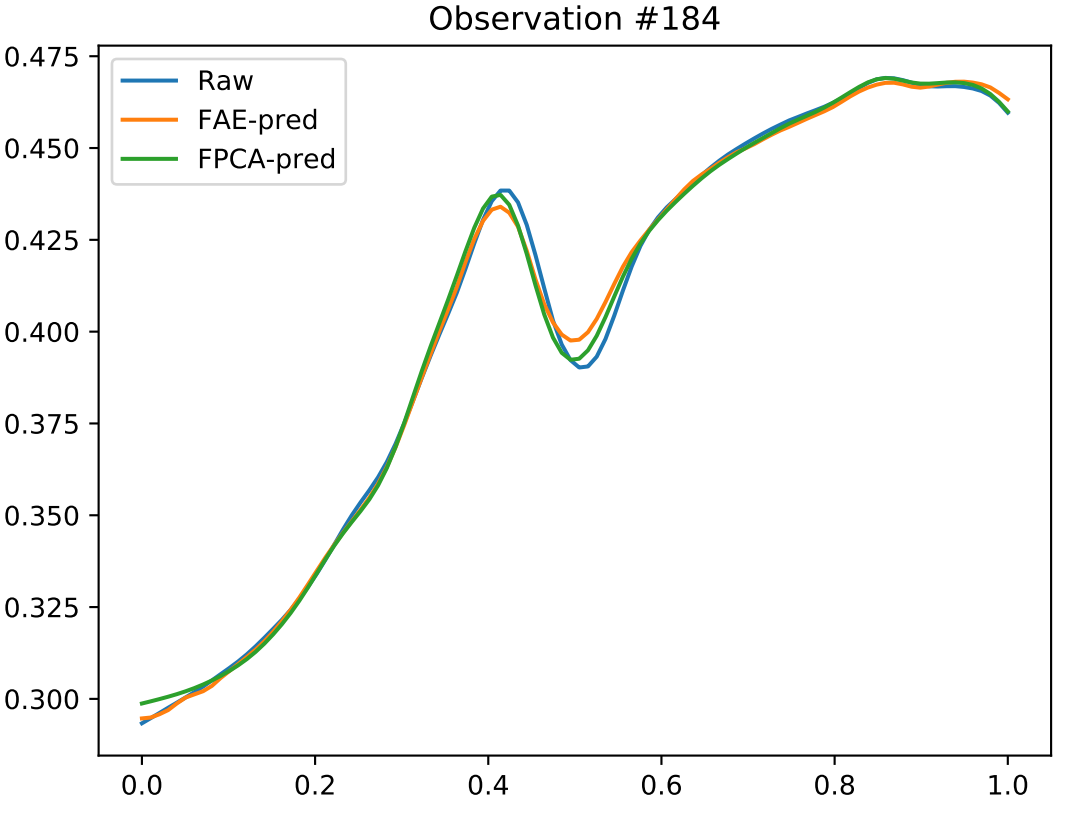

Observation #179
Raw
FAE-pred
FPCA-pred
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
−0.10
0.0
0.2
0.4
0.6
0.8
1.0

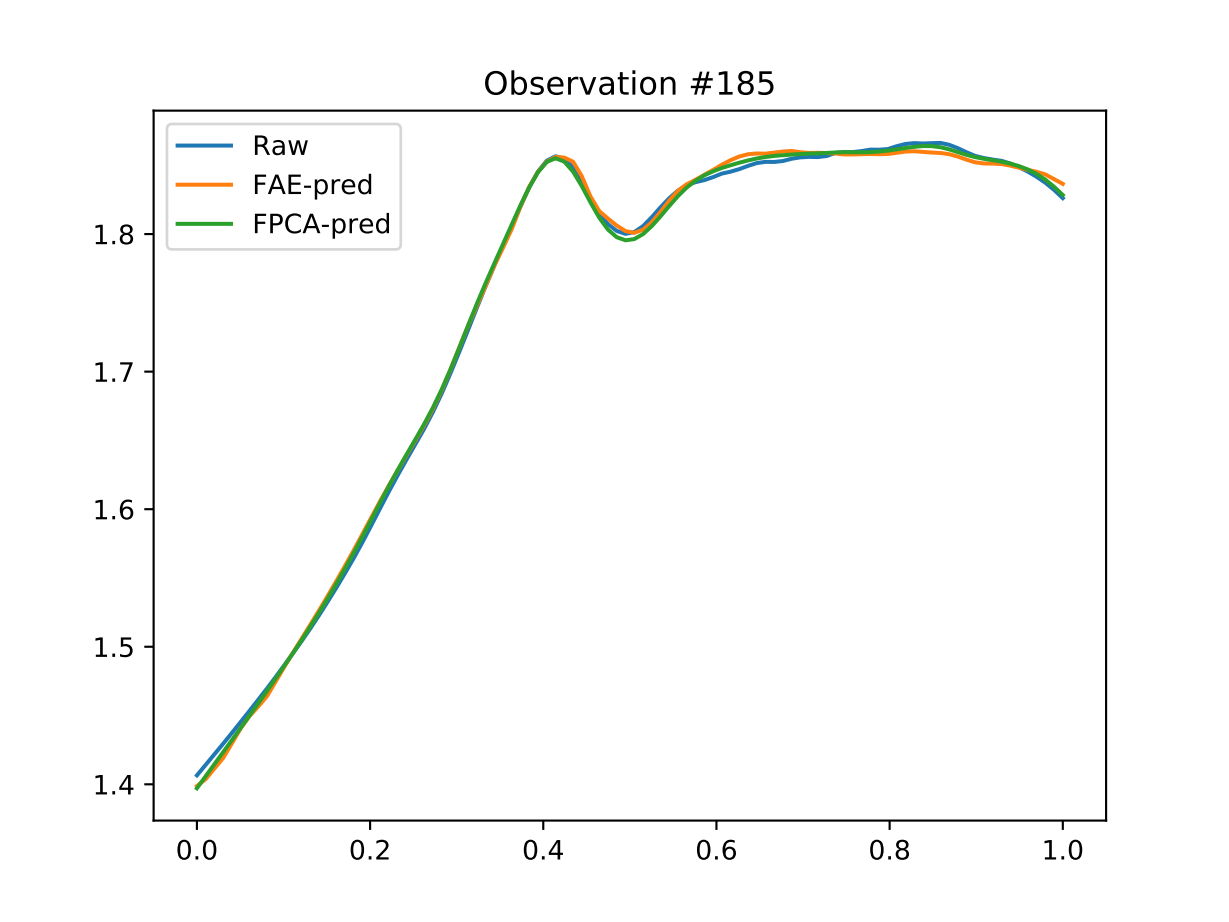

Observation #180
Raw
FAE-pred
FPCA-pred
−0.35
−0.40
−0.45
−0.50
−0.55
0.0
0.2
0.4
0.6
0.8
1.0

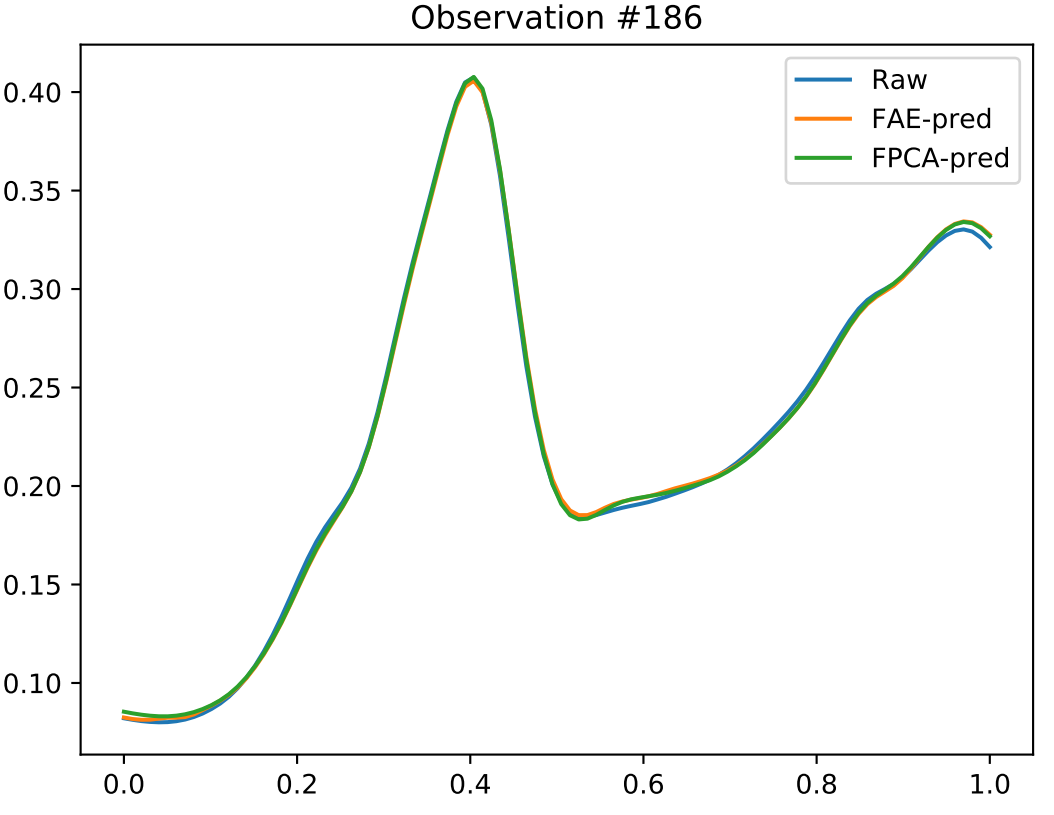

Observation #181
Raw
FAE-pred
FPCA-pred
−0.40
−0.45
−0.50
−0.55
−0.60
0.0
0.2
0.4
0.6
0.8
1.0

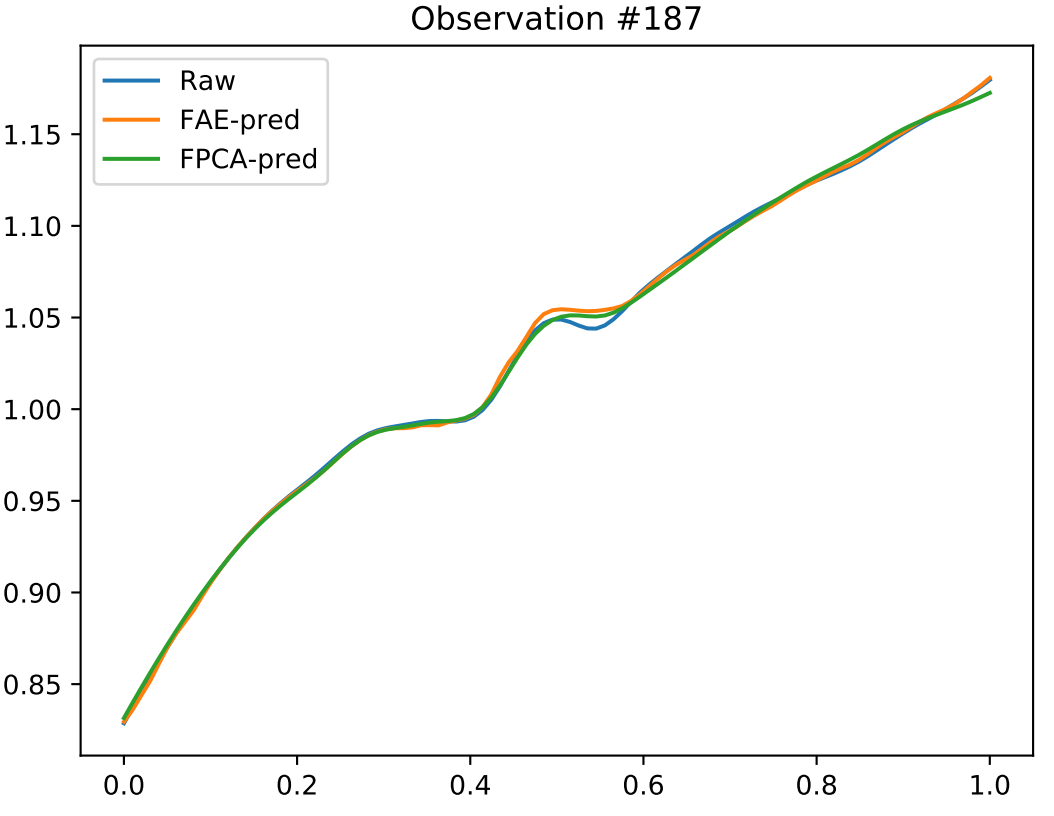

Observation #182
Raw
FAE-pred
FPCA-pred
−0.575
−0.600
−0.625
−0.650
−0.675
−0.700
−0.725
0.0
0.2
0.4
0.6
0.8
1.0

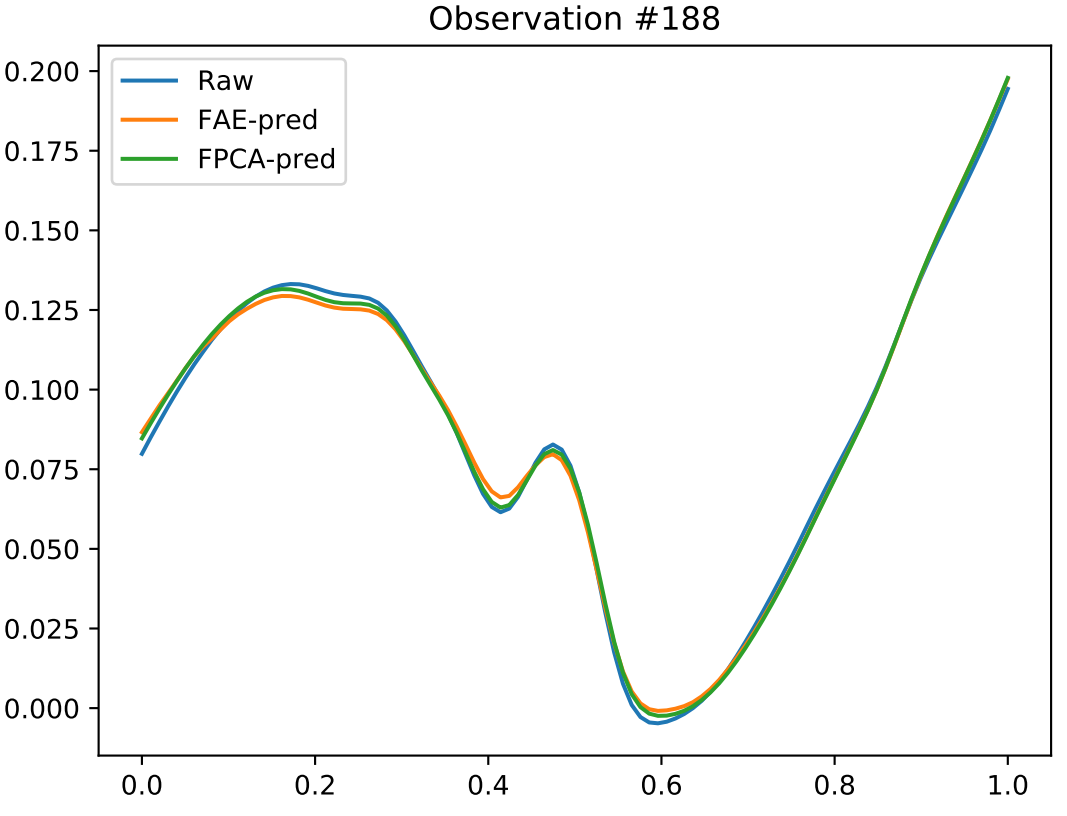

Observation #183
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.0
0.2
0.4
0.6
0.8
1.0

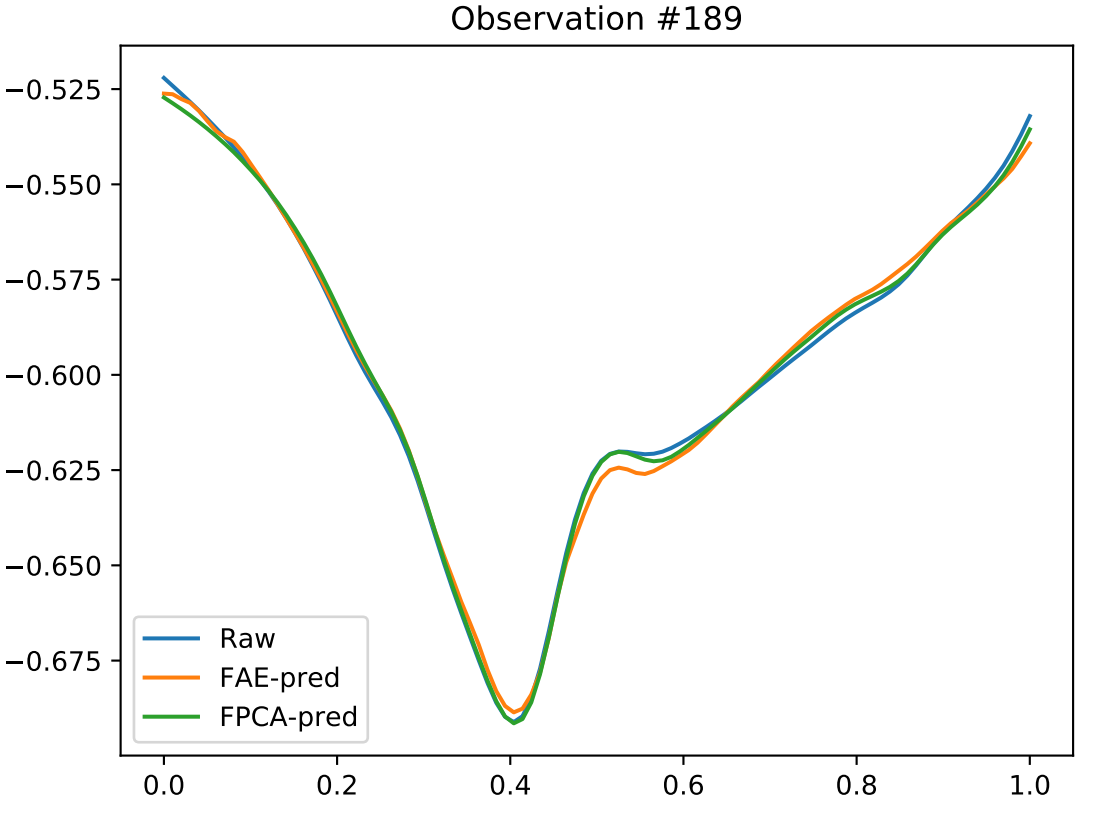

Observation #184
Raw
FAE-pred
FPCA-pred
0.475
0.450
0.425
0.400
0.375
0.350
0.325
0.300
0.0
0.2
0.4
0.6
0.8
1.0

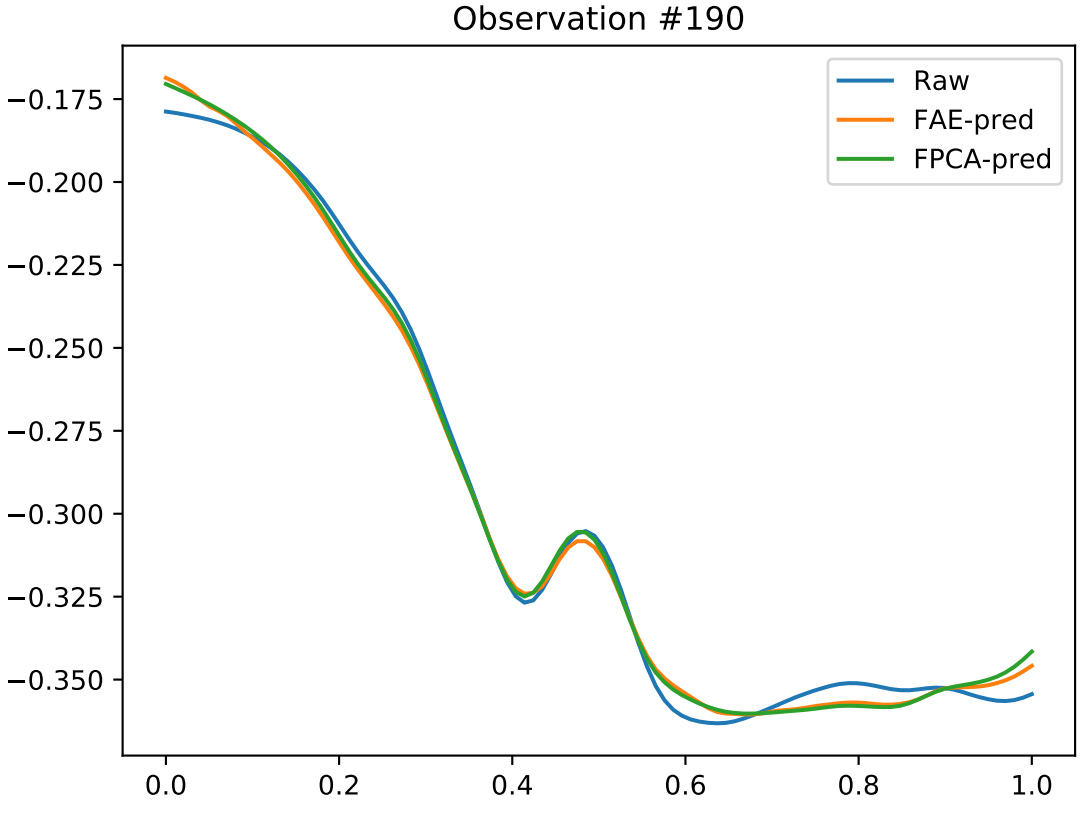

Observation #185
Raw
FAE-pred
FPCA-pred
1.8
1.7
1.6
1.5
1.4
0.0
0.2
0.4
0.6
0.8
1.0

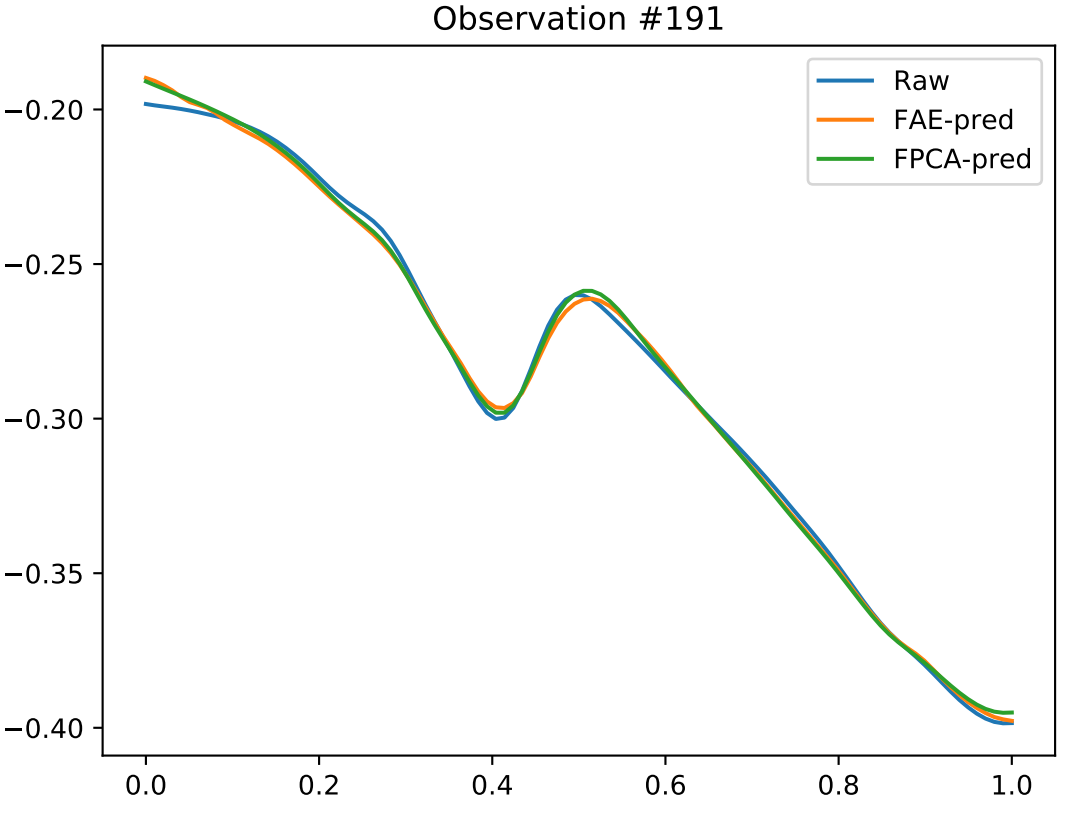

Observation #186
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.0
0.2
0.4
0.6
0.8
1.0

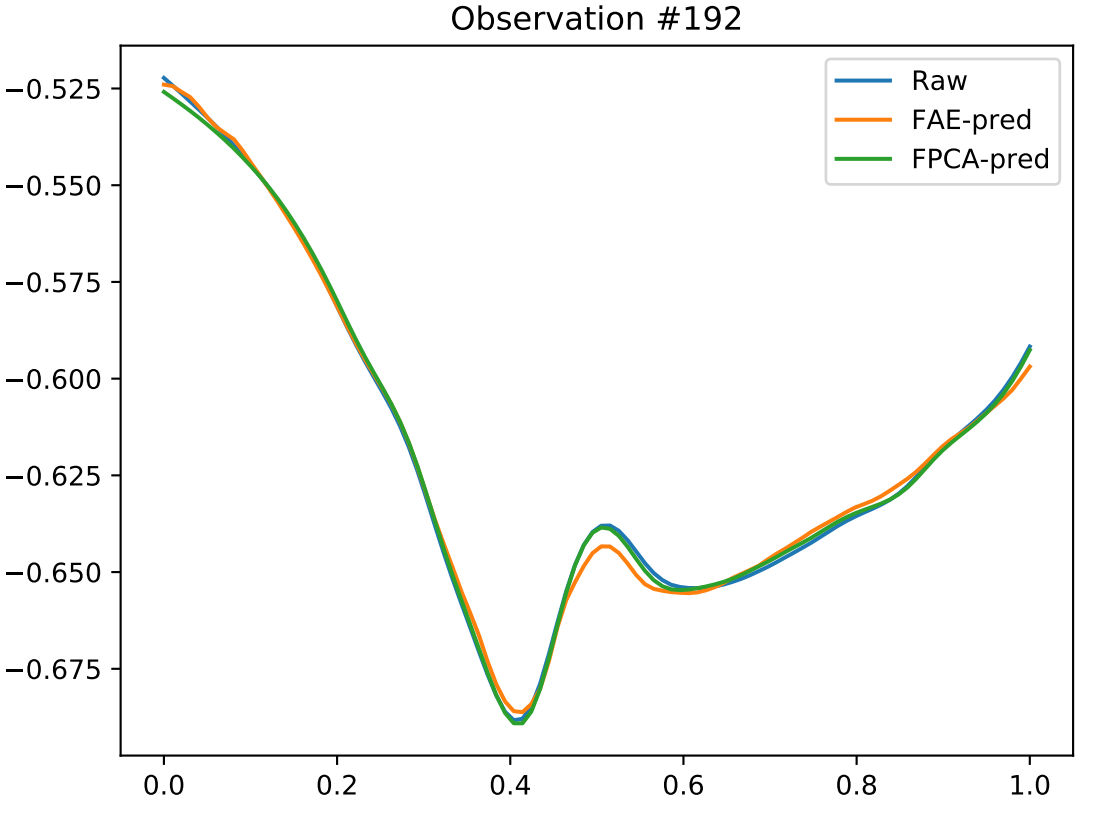

Observation #187
Raw
FAE-pred
FPCA-pred
1.15
1.10
1.05
1.00
0.95
0.90
0.85
0.0
0.2
0.4
0.6
0.8
1.0

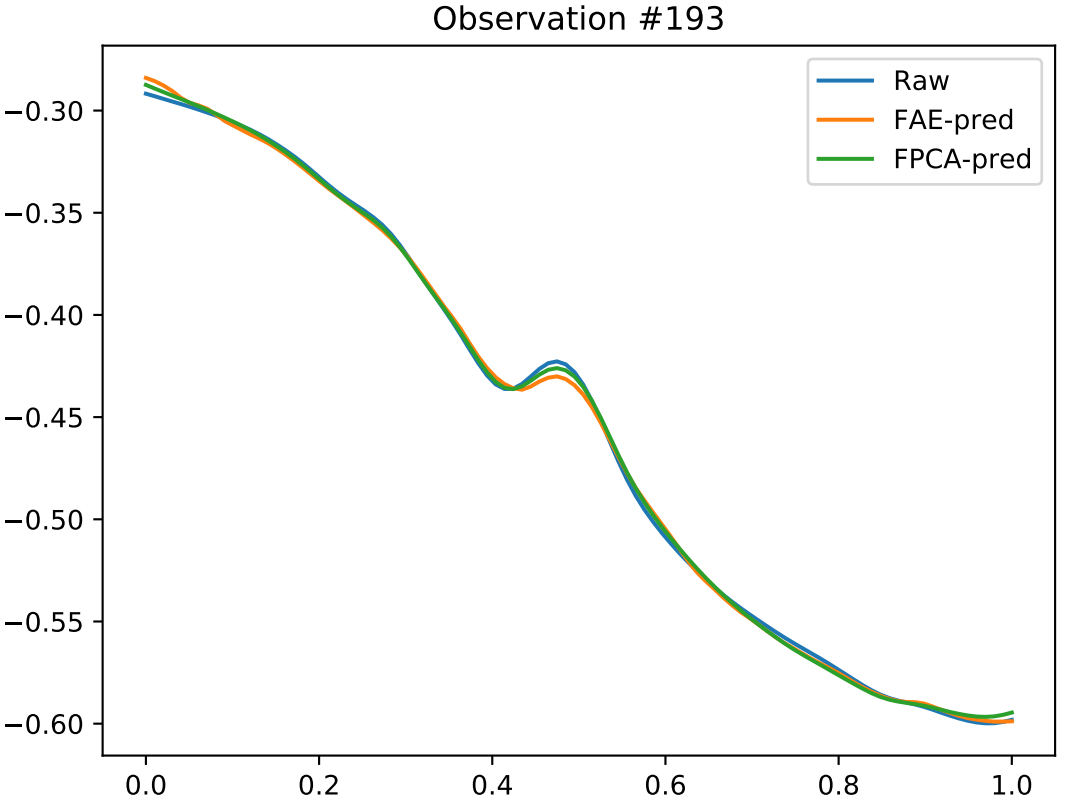

Observation #188
Raw
FAE-pred
FPCA-pred
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0

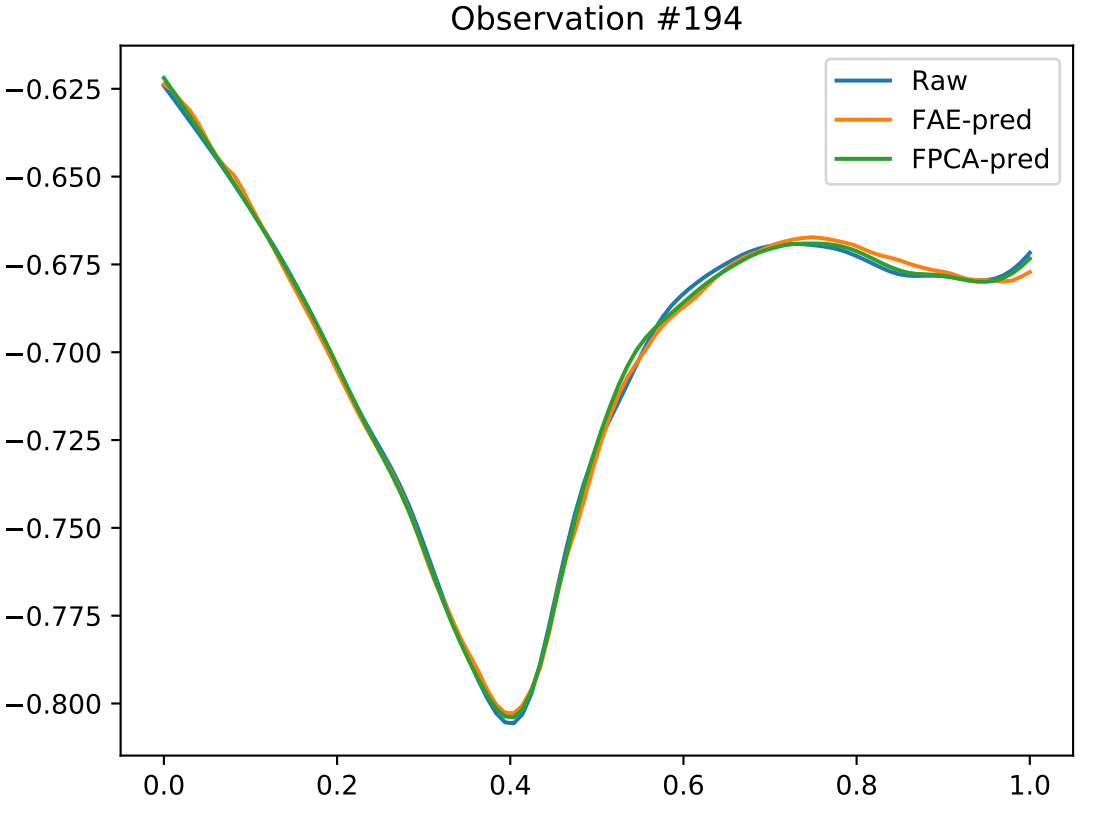

Observation #189
−0.525
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
0.0
0.2
0.4
0.6
0.8
1.0
Raw
FAE-pred
FPCA-pred

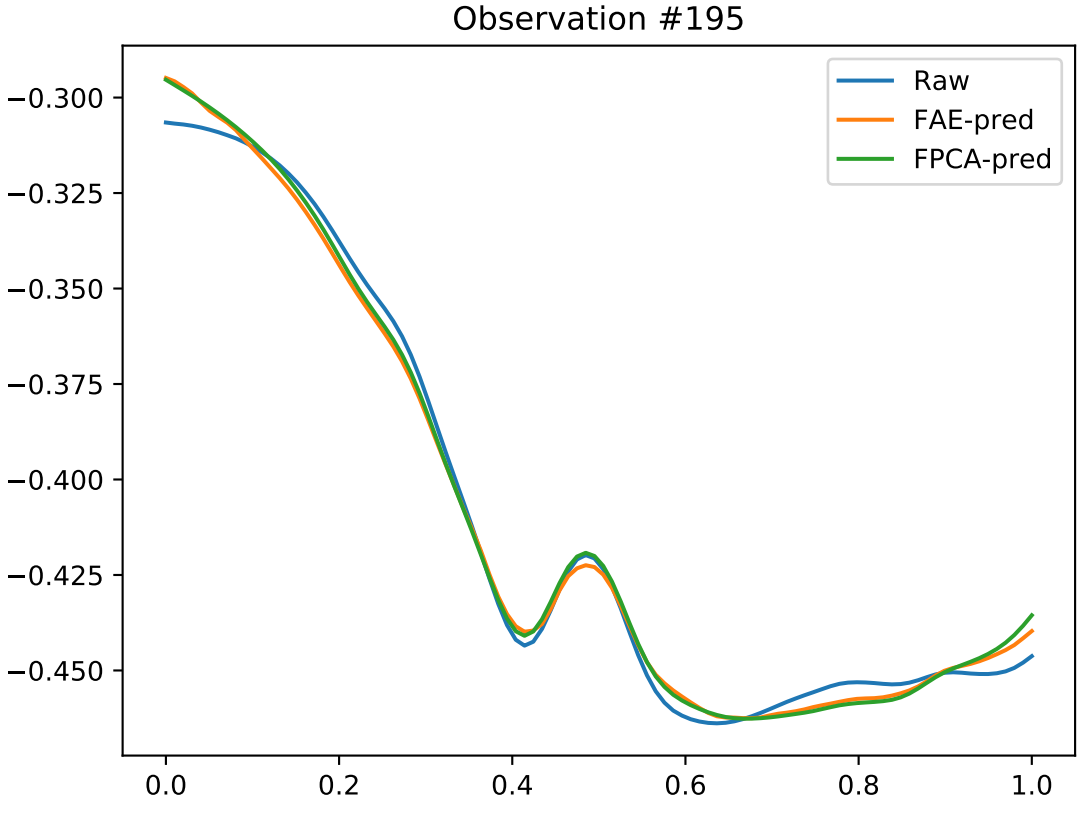

Observation #190
Raw
FAE-pred
FPCA-pred
−0.175
−0.200
−0.225
−0.250
−0.275
−0.300
−0.325
−0.350
0.0
0.2
0.4
0.6
0.8
1.0

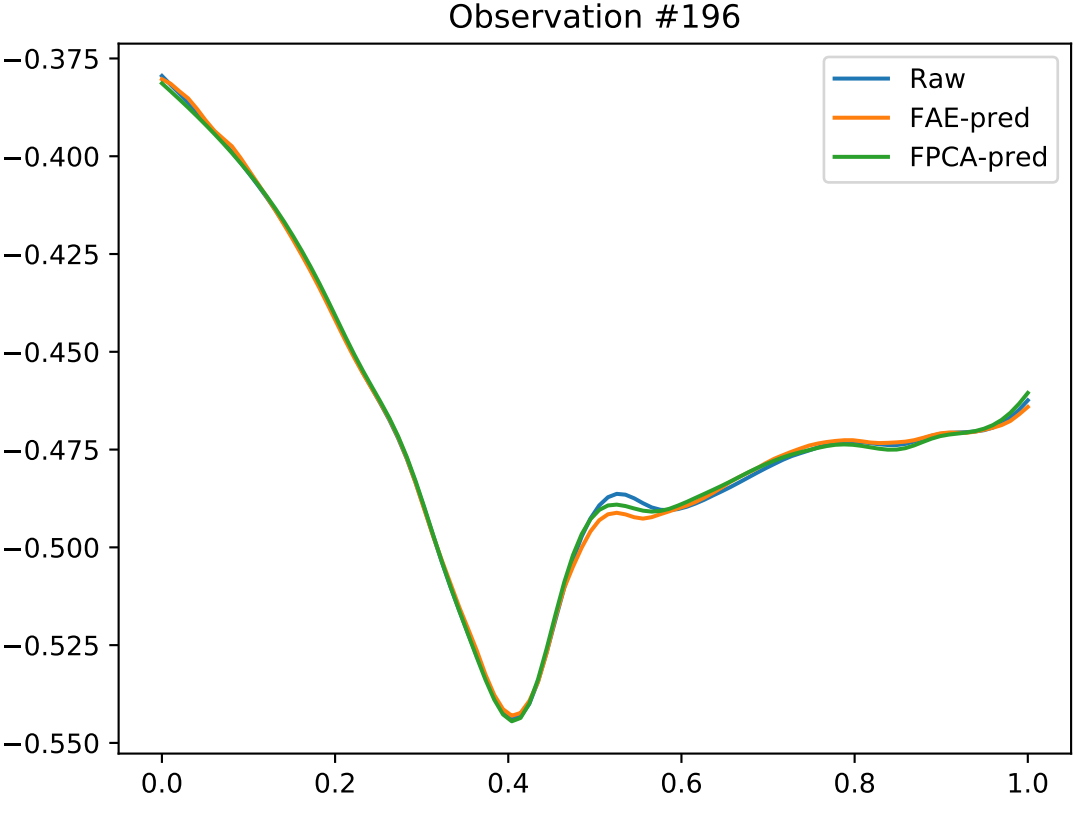

Observation #191
Raw
FAE-pred
FPCA-pred
−0.20
−0.25
−0.30
−0.35
−0.40
0.0
0.2
0.4
0.6
0.8
1.0

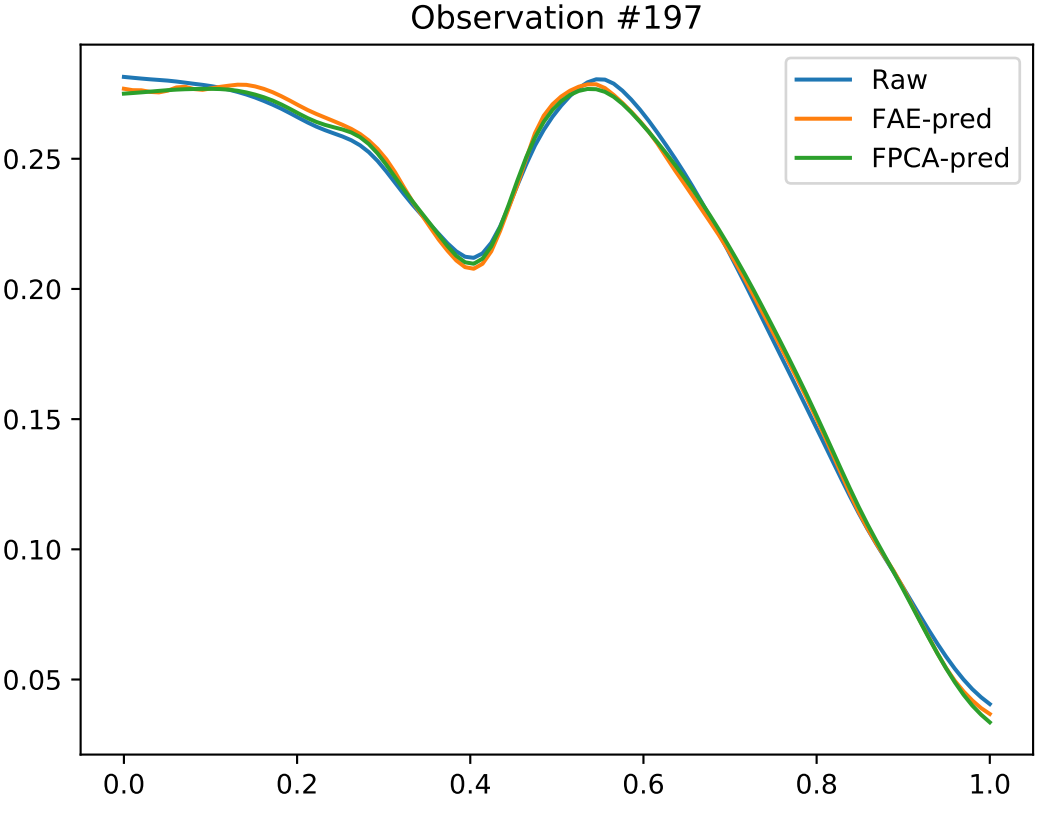

Observation #192
Raw
FAE-pred
FPCA-pred
−0.525
−0.550
−0.575
−0.600
−0.625
−0.650
−0.675
0.0
0.2
0.4
0.6
0.8
1.0

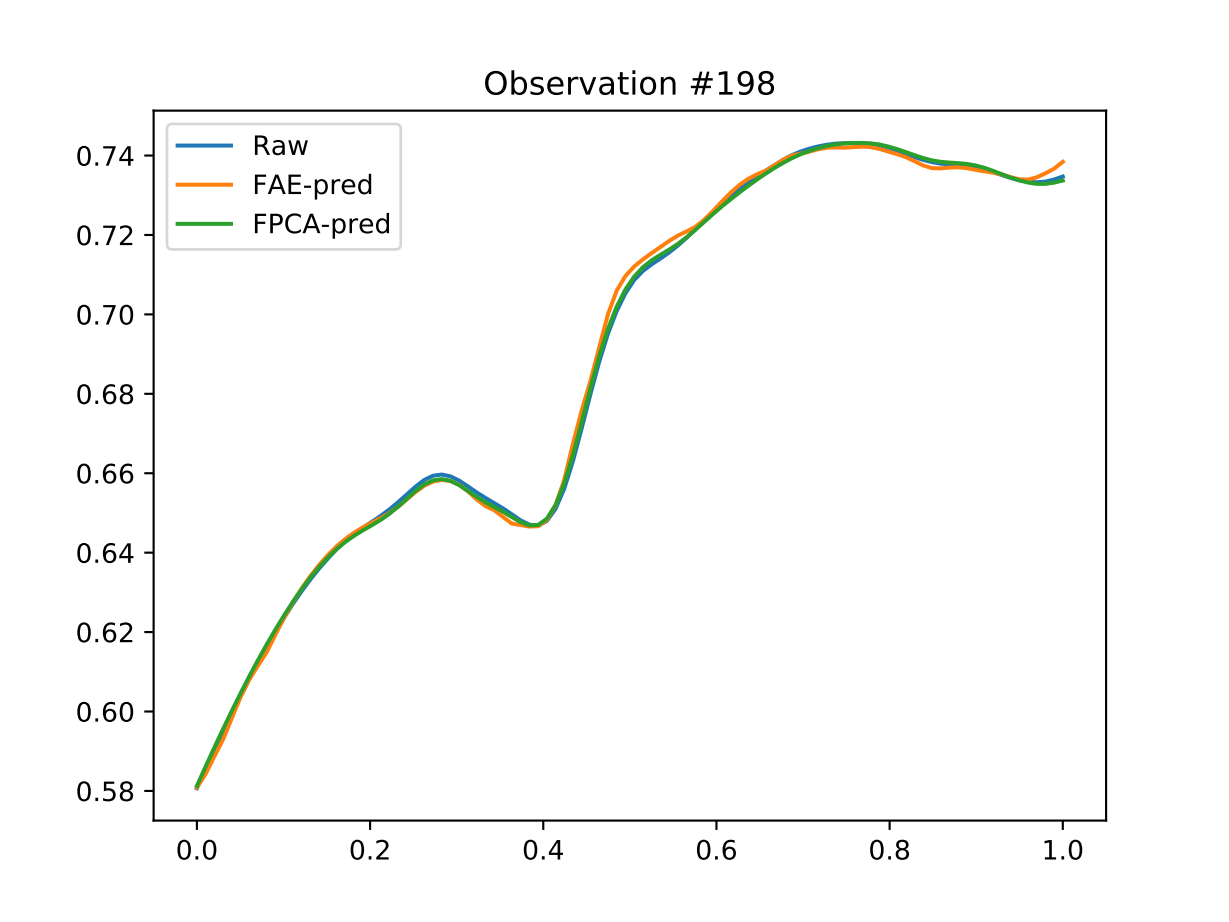

Observation #193
Raw
FAE-pred
FPCA-pred
−0.30
−0.35
−0.40
−0.45
−0.50
−0.55
−0.60
0.0
0.2
0.4
0.6
0.8
1.0

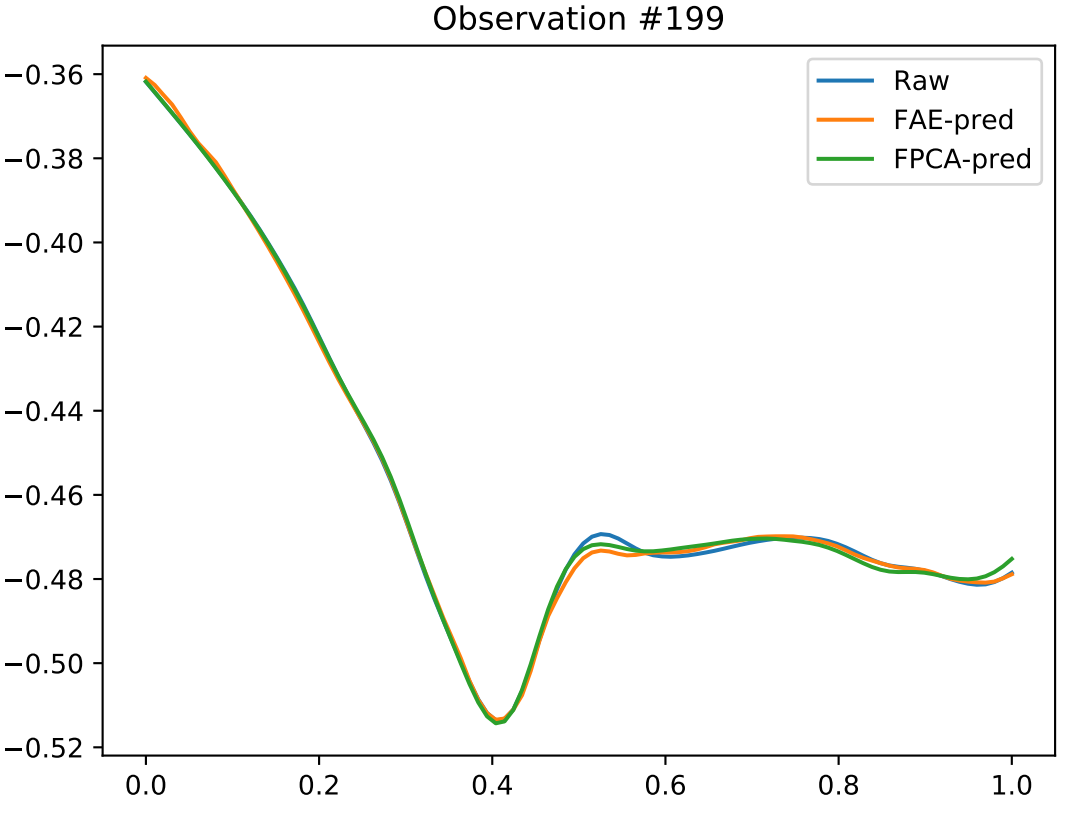

Observation #194
Raw
FAE-pred
FPCA-pred
−0.625
−0.650
−0.675
−0.700
−0.725
−0.750
−0.775
−0.800
0.0
0.2
0.4
0.6
0.8
1.0

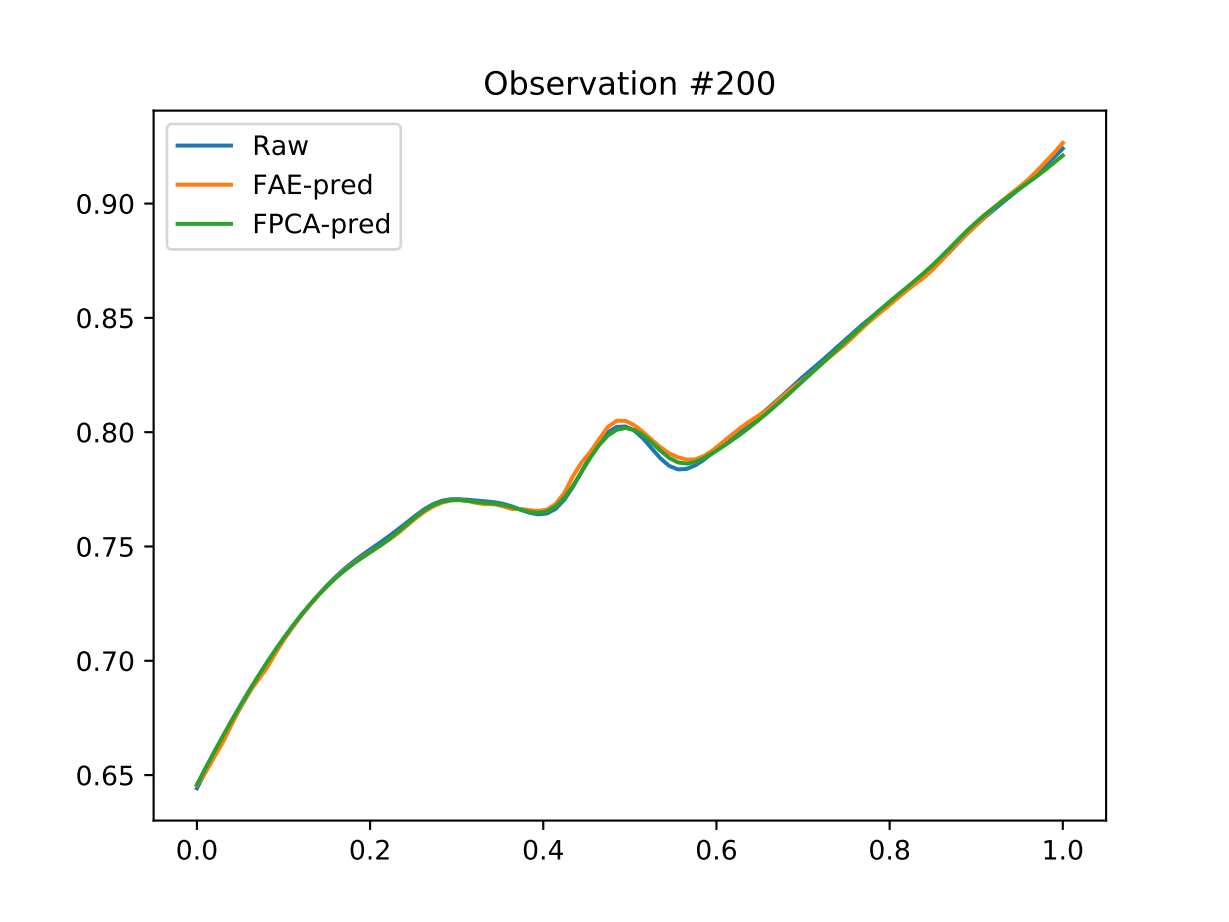

Observation #195
Raw
FAE-pred
FPCA-pred
−0.300
−0.325
−0.350
−0.375
−0.400
−0.425
−0.450
0.0
0.2
0.4
0.6
0.8
1.0

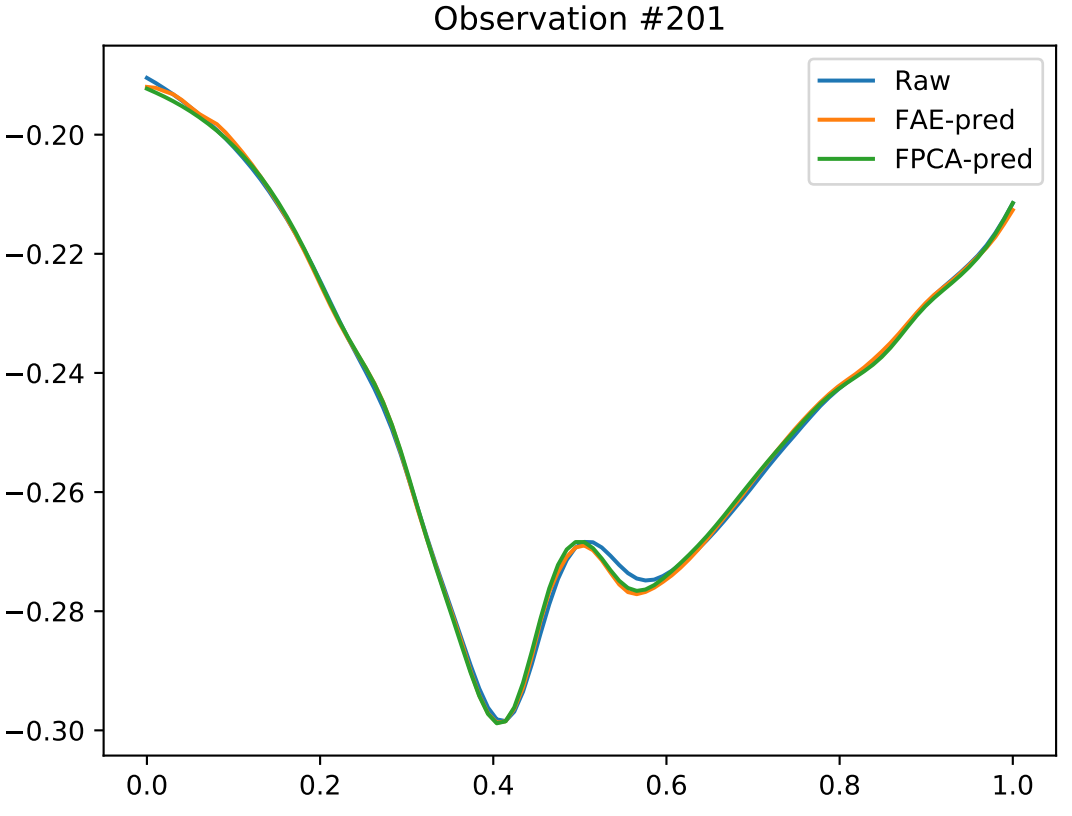

Observation #196
Raw
FAE-pred
FPCA-pred
−0.375
−0.400
−0.425
−0.450
−0.475
−0.500
−0.525
−0.550
0.0
0.2
0.4
0.6
0.8
1.0

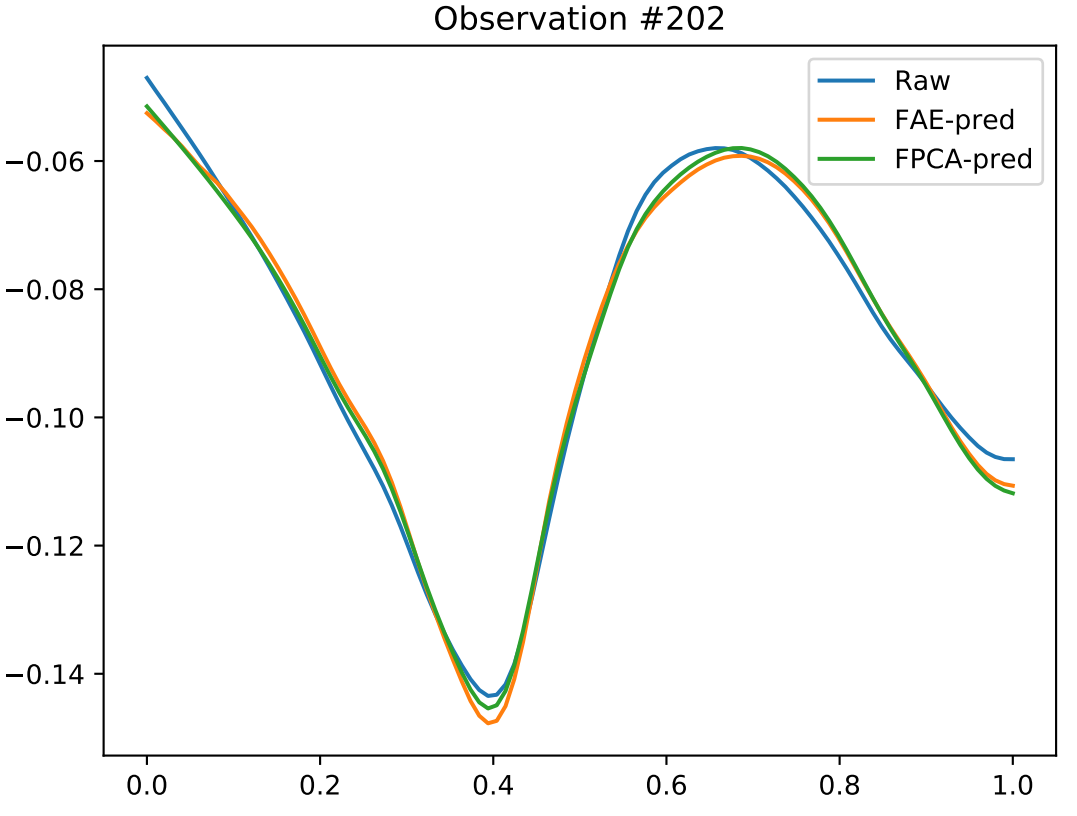

Observation #197
Raw
FAE-pred
FPCA-pred
0.25
0.20
0.15
0.10
0.05
0.0
0.2
0.4
0.6
0.8
1.0

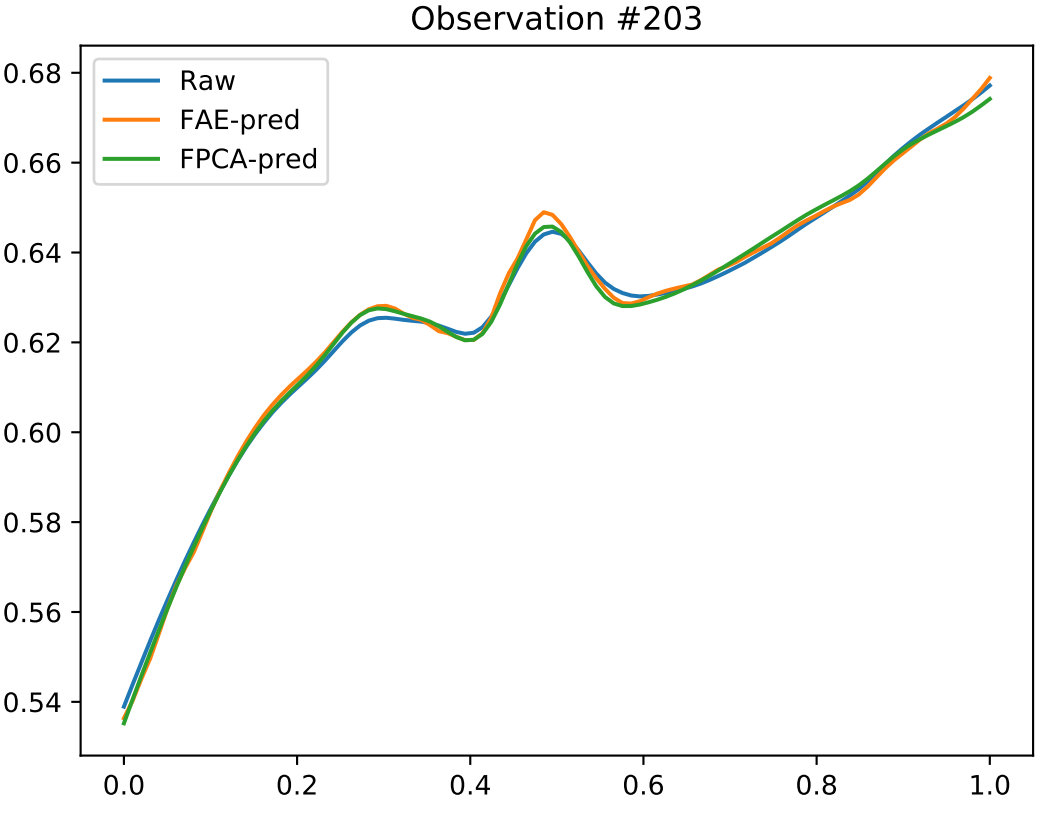

Observation #198
Raw
FAE-pred
FPCA-pred
0.74
0.72
0.70
0.68
0.66
0.64
0.62
0.60
0.58
0.0
0.2
0.4
0.6
0.8
1.0

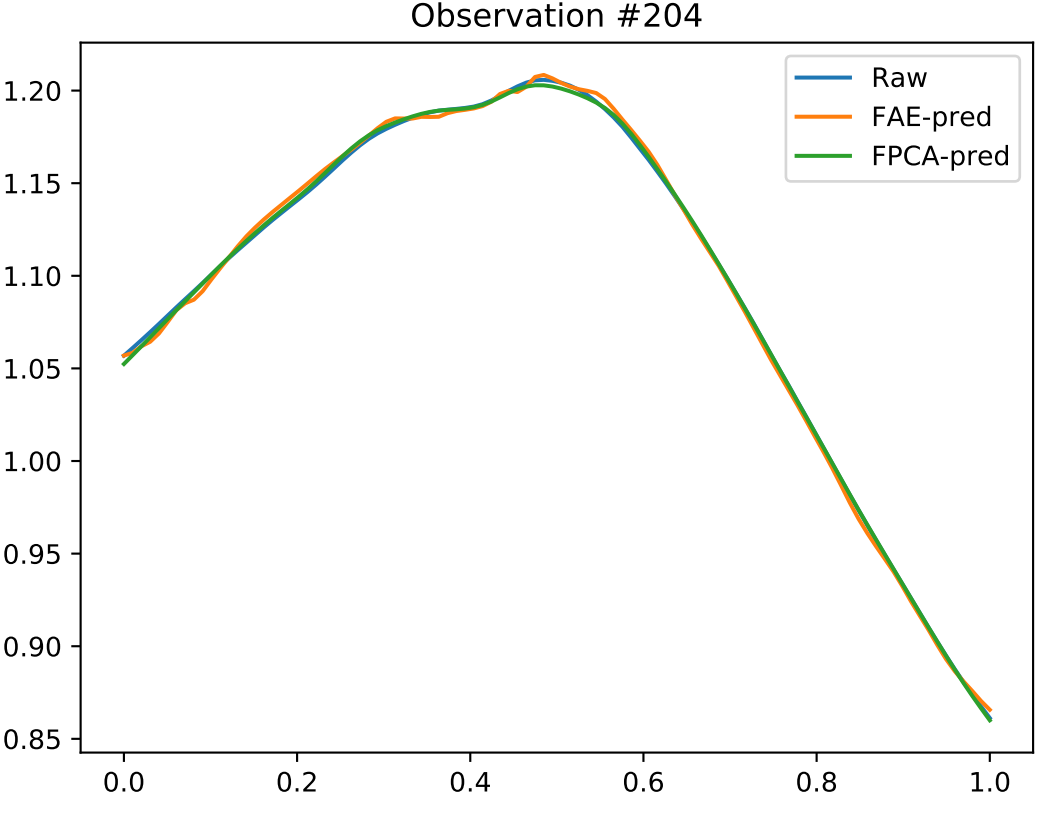

Observation #199
Raw
FAE-pred
FPCA-pred
−0.36
−0.38
−0.40
−0.42
−0.44
−0.46
−0.48
−0.50
−0.52
0.0
0.2
0.4
0.6
0.8
1.0

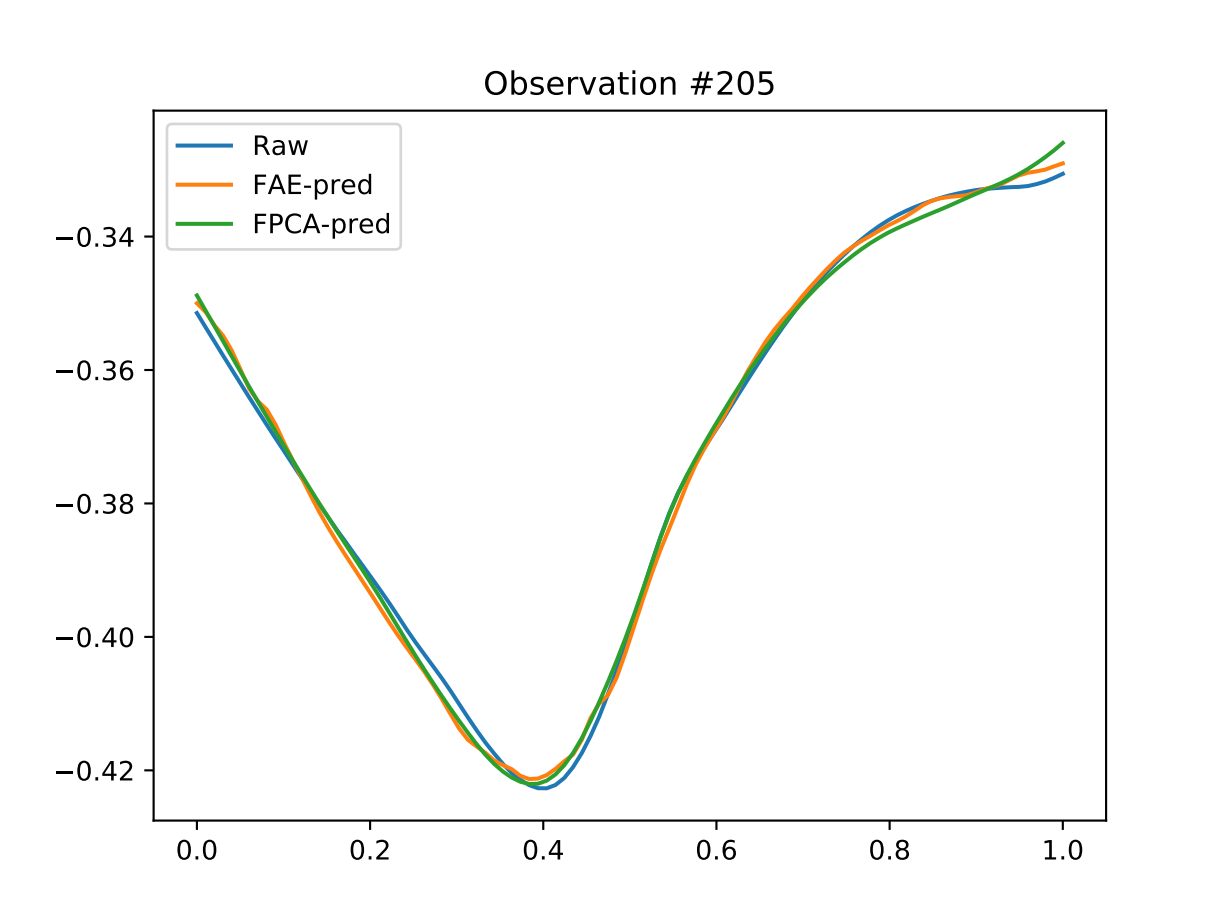

Observation #200
Raw
FAE-pred
FPCA-pred
0.90
0.85
0.80
0.75
0.70
0.65
0.0
0.2
0.4
0.6
0.8
1.0

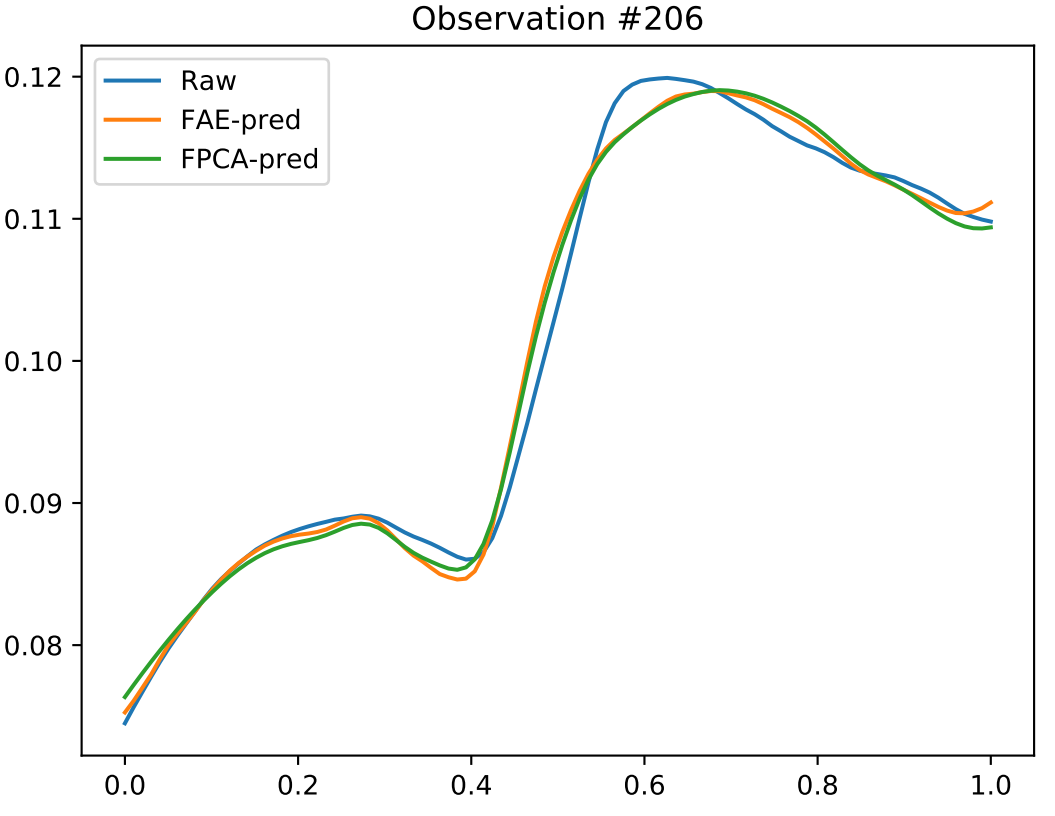

Observation #201
Raw
FAE-pred
FPCA-pred
−0.20
−0.22
−0.24
−0.26
−0.28
−0.30
0.0
0.2
0.4
0.6
0.8
1.0

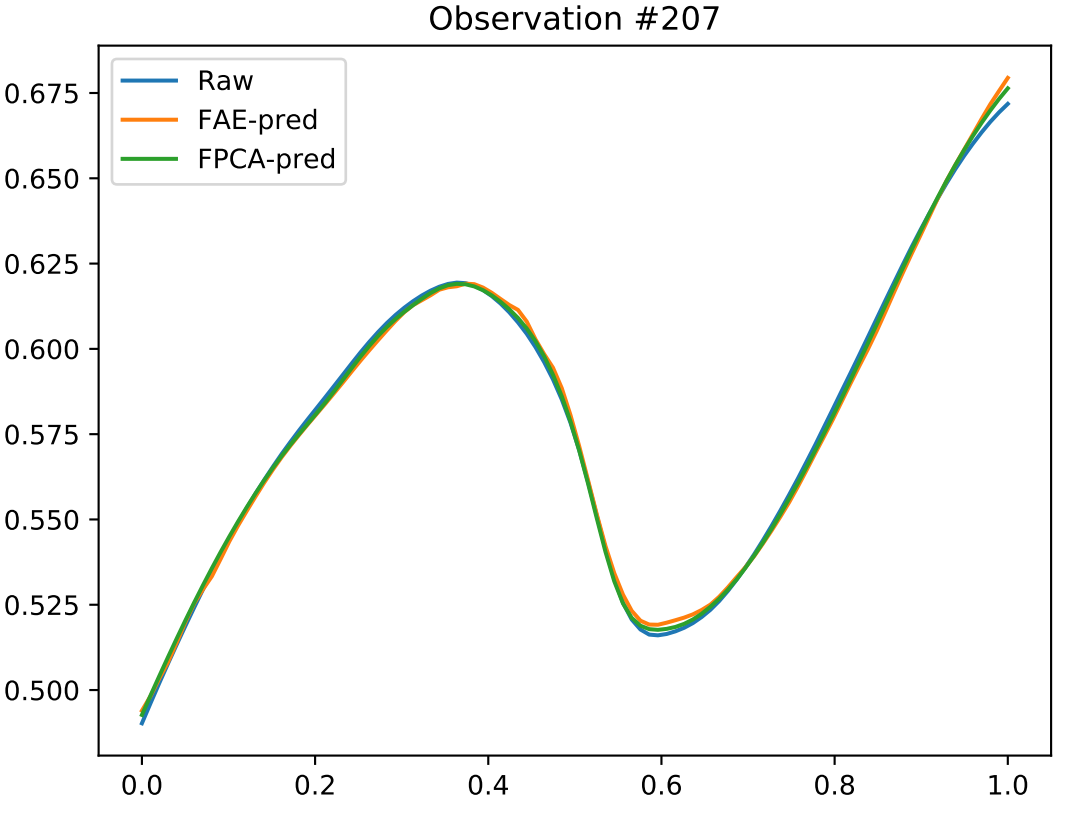

Observation #202
Raw
FAE-pred
FPCA-pred
−0.06
−0.08
−0.10
−0.12
−0.14
0.0
0.2
0.4
0.6
0.8
1.0

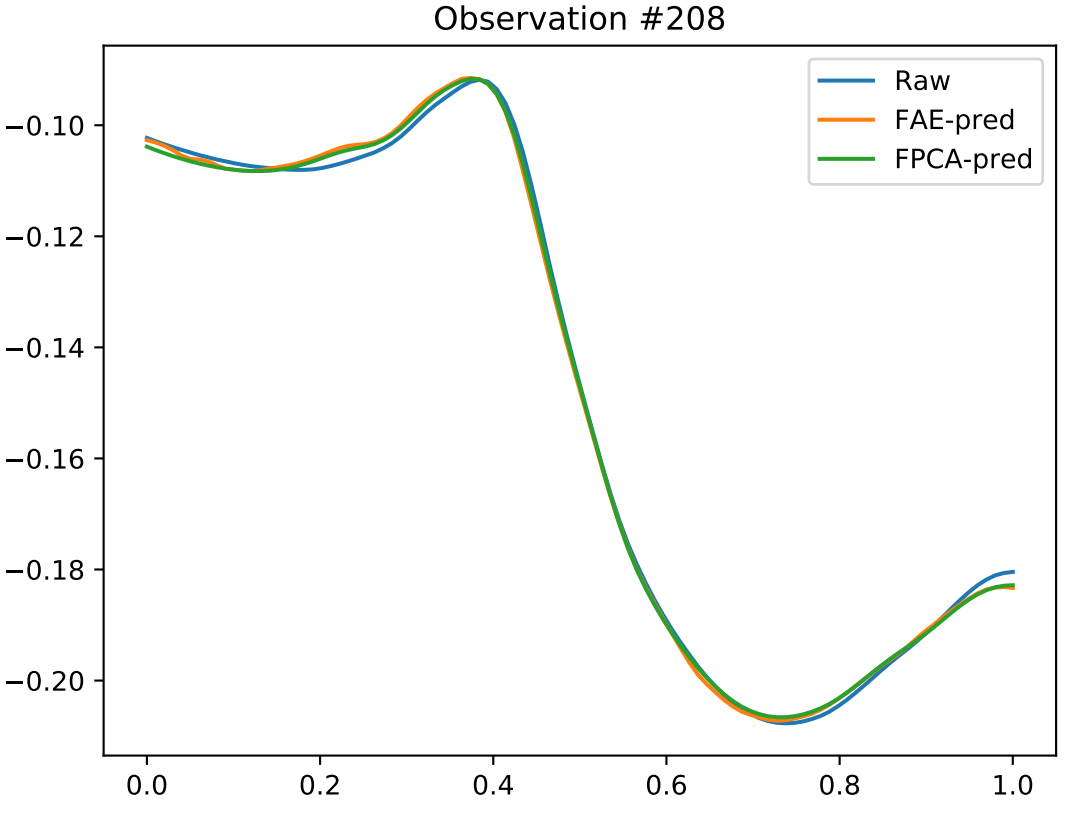

Observation #203
Raw
FAE-pred
FPCA-pred
0.68
0.66
0.64
0.62
0.60
0.58
0.56
0.54
0.0
0.2
0.4
0.6
0.8
1.0

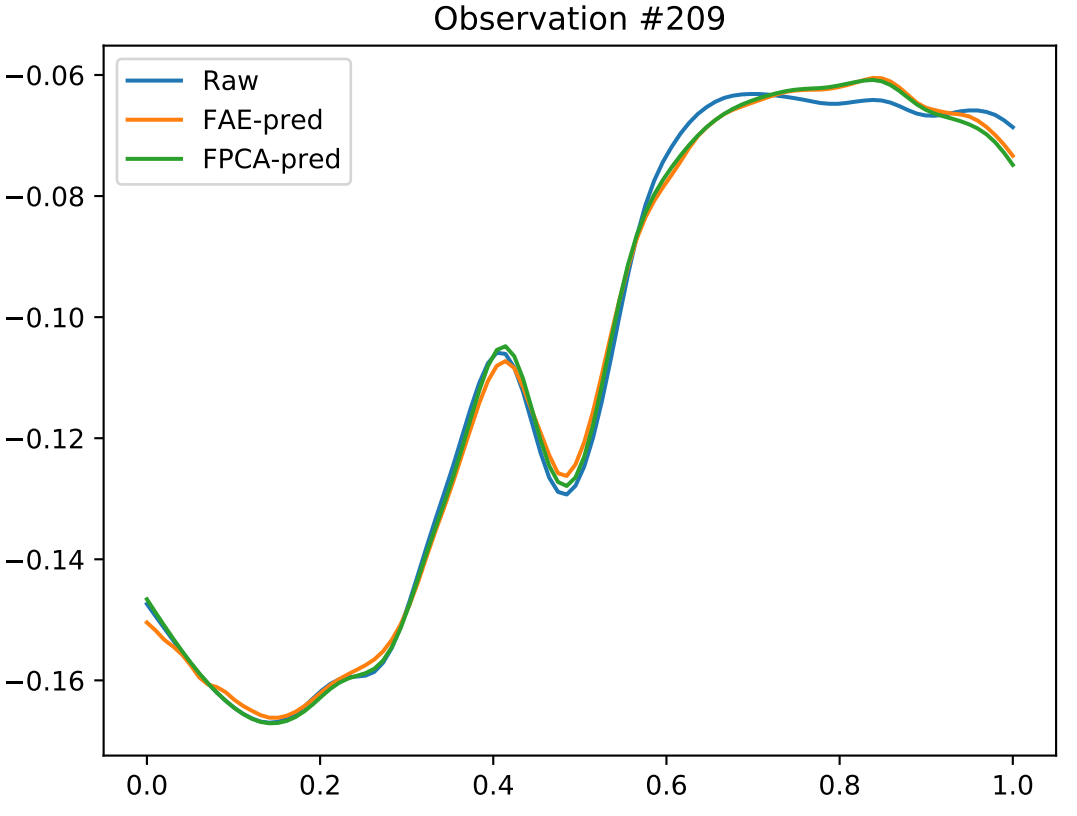

Observation #204
Raw
FAE-pred
FPCA-pred
1.20
1.15
1.10
1.05
1.00
0.95
0.90
0.85
0.0
0.2
0.4
0.6
0.8
1.0

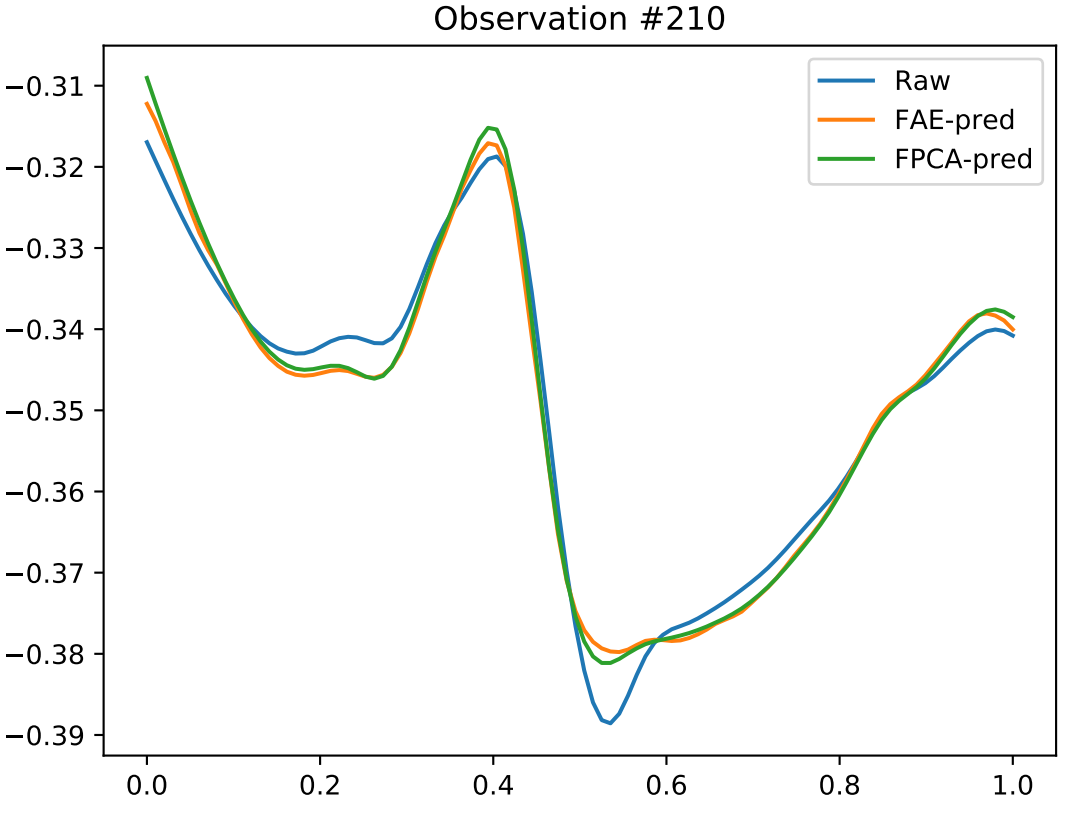

Observation #205
Raw
FAE-pred
FPCA-pred
−0.34
−0.36
−0.38
−0.40
−0.42
0.0
0.2
0.4
0.6
0.8
1.0

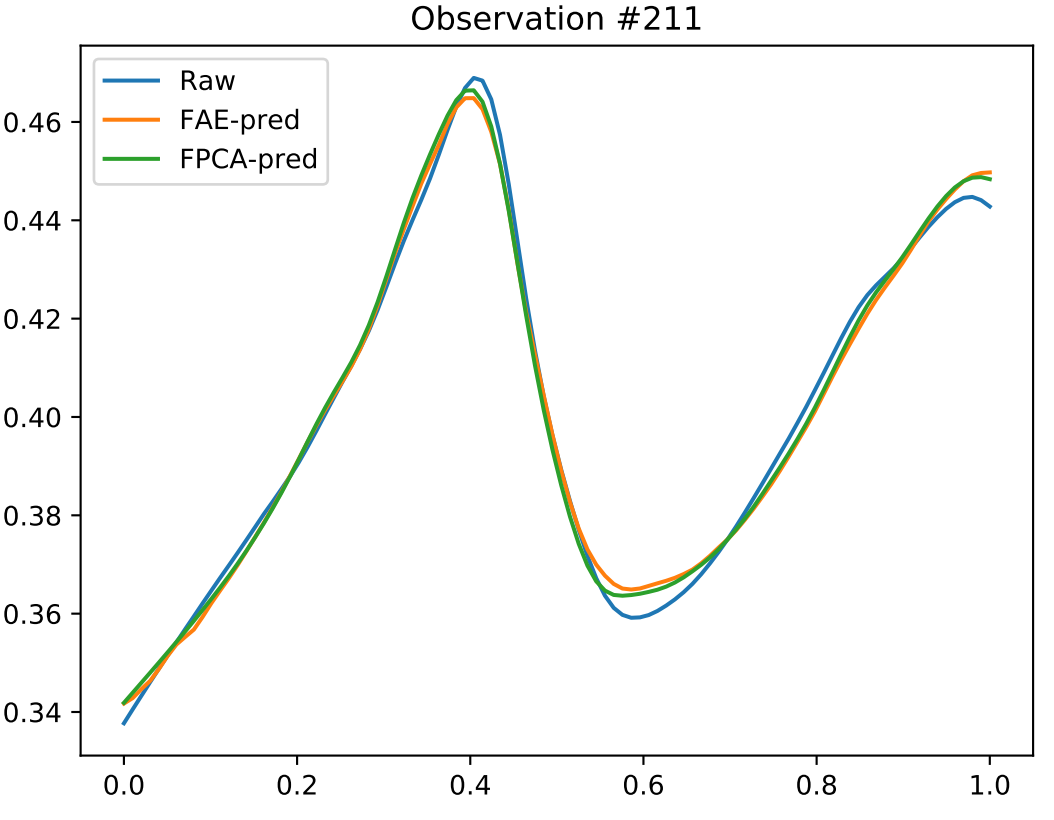

Observation #206
Raw
FAE-pred
FPCA-pred
0.12
0.11
0.10
0.09
0.08
0.0
0.2
0.4
0.6
0.8
1.0

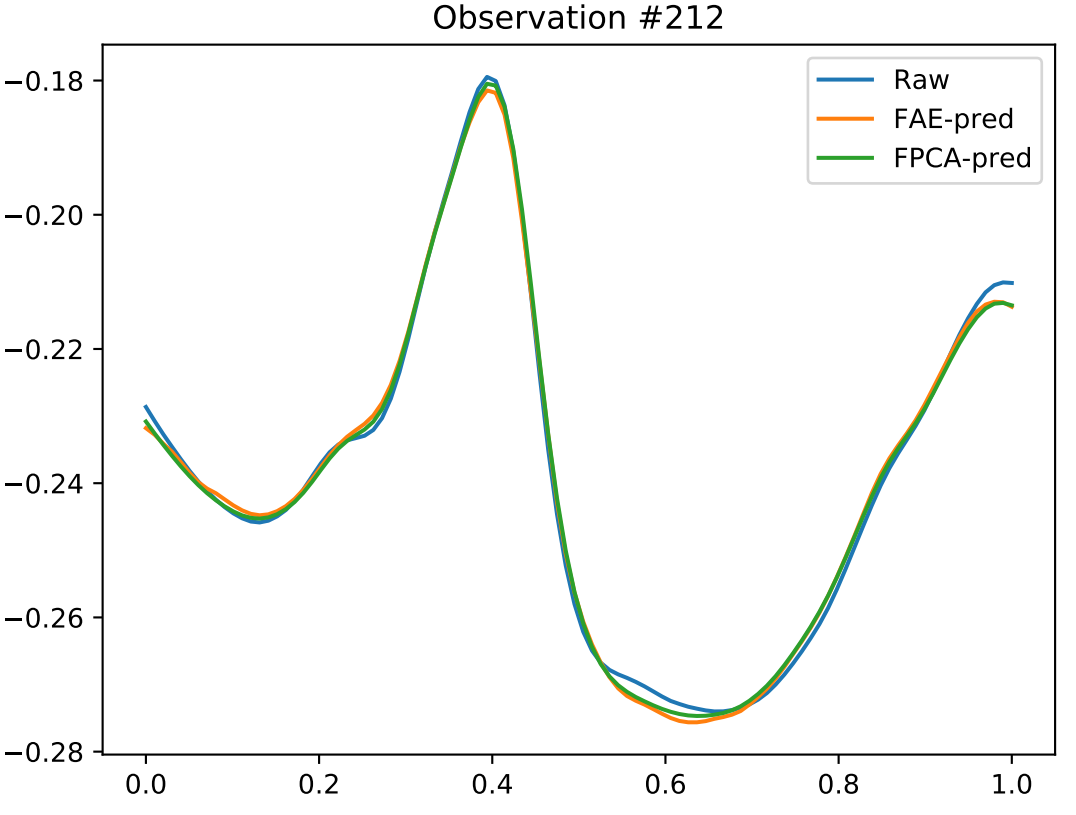

Observation #207
Raw
FAE-pred
FPCA-pred
0.675
0.650
0.625
0.600
0.575
0.550
0.525
0.500
0.0
0.2
0.4
0.6
0.8
1.0

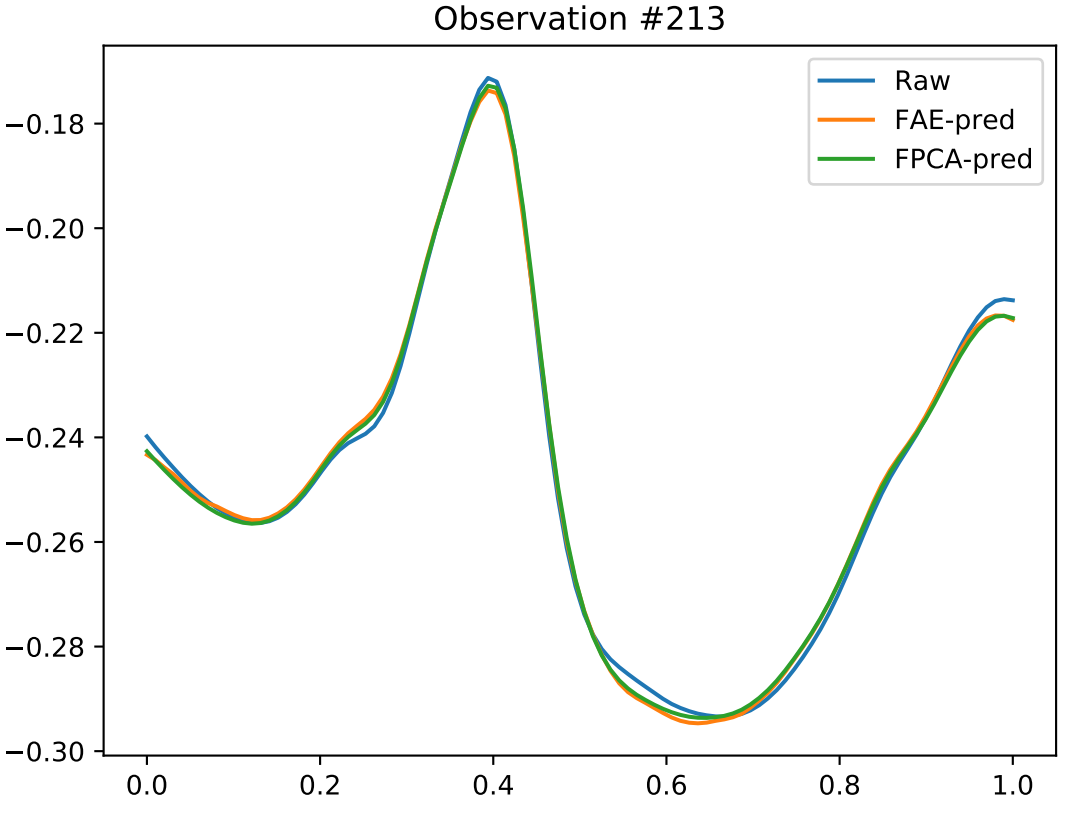

Observation #208
Raw
FAE-pred
FPCA-pred
−0.10
−0.12
−0.14
−0.16
−0.18
−0.20
0.0
0.2
0.4
0.6
0.8
1.0

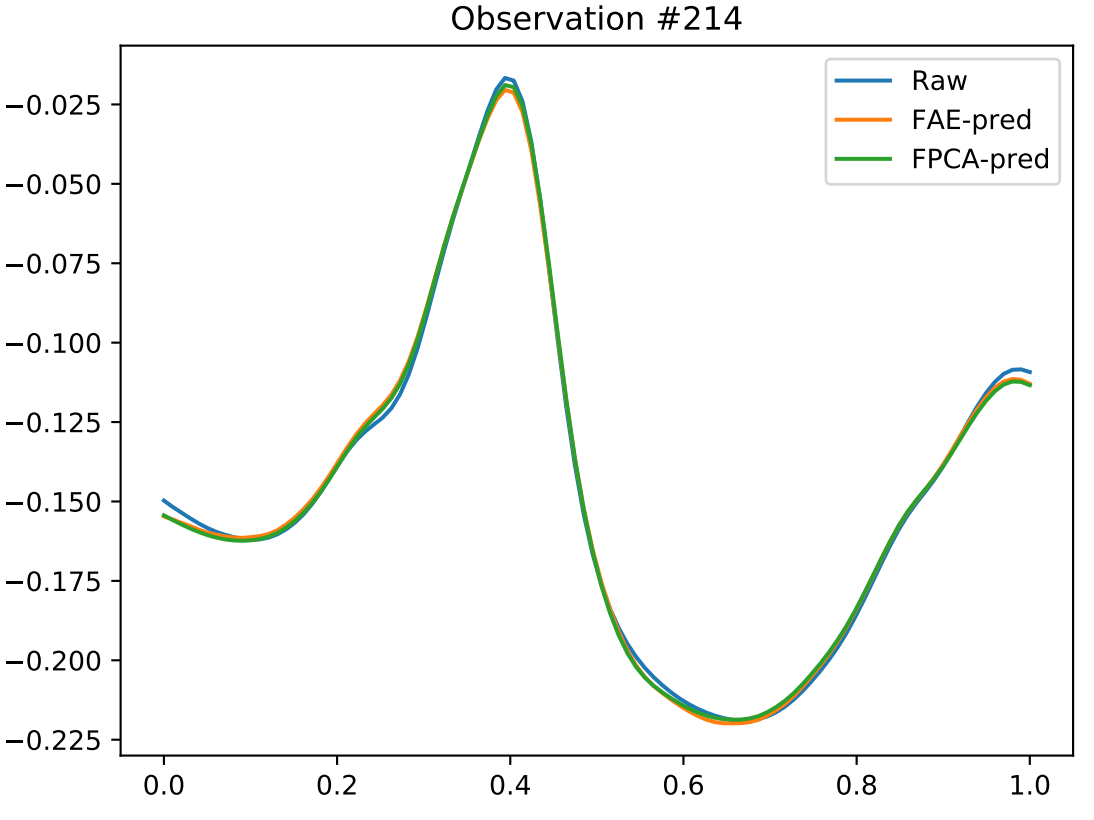

Observation #209
Raw
FAE-pred
FPCA-pred
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
0.0
0.2
0.4
0.6
0.8
1.0

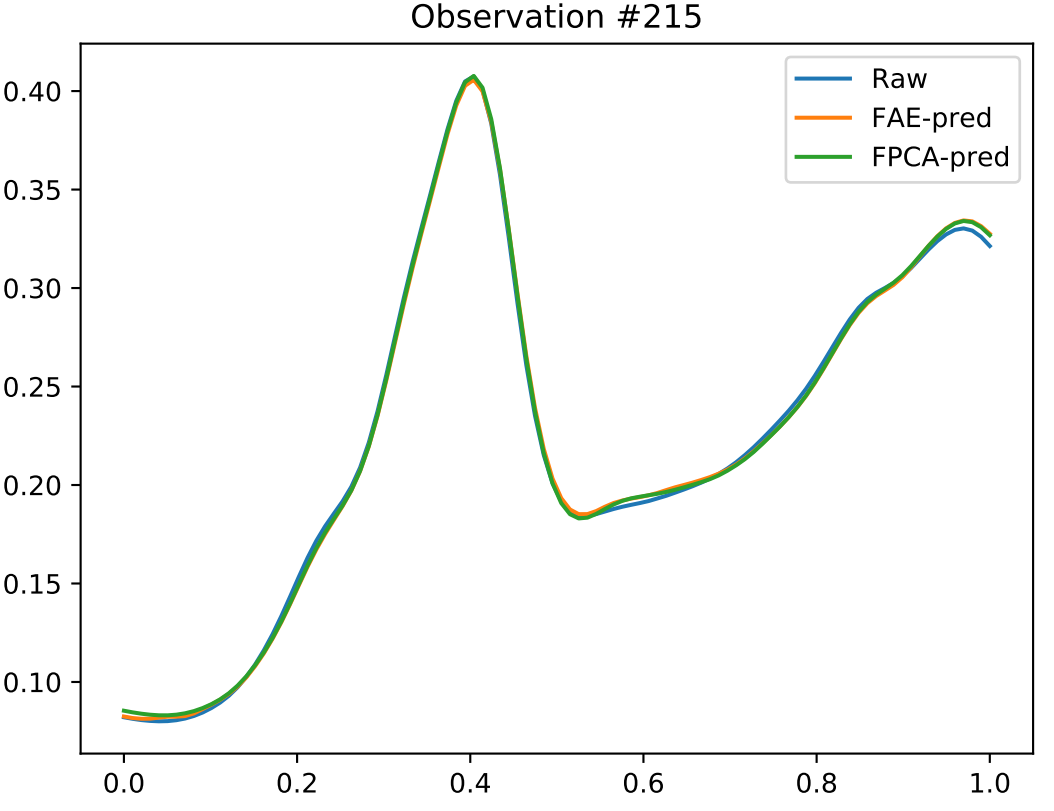

Observation #210
Raw
FAE-pred
FPCA-pred
−0.31
−0.32
−0.33
−0.34
−0.35
−0.36
−0.37
−0.38
−0.39
0.0
0.2
0.4
0.6
0.8
1.0


Observation #211
Raw
FAE-pred
FPCA-pred
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0.0
0.2
0.4
0.6
0.8
1.0


Observation #212
Raw
FAE-pred
FPCA-pred
−0.18
−0.20
−0.22
−0.24
−0.26
−0.28
0.0
0.2
0.4
0.6
0.8
1.0


Observation #213
Raw
FAE-pred
FPCA-pred
−0.18
−0.20
−0.22
−0.24
−0.26
−0.28
−0.30
0.0
0.2
0.4
0.6
0.8
1.0


Observation #214
Raw
FAE-pred
FPCA-pred
−0.025
−0.050
−0.075
−0.100
−0.125
−0.150
−0.175
−0.200
−0.225
0.0
0.2
0.4
0.6
0.8
1.0


Observation #215
Raw
FAE-pred
FPCA-pred
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.0
0.2
0.4
0.6
0.8
1.0