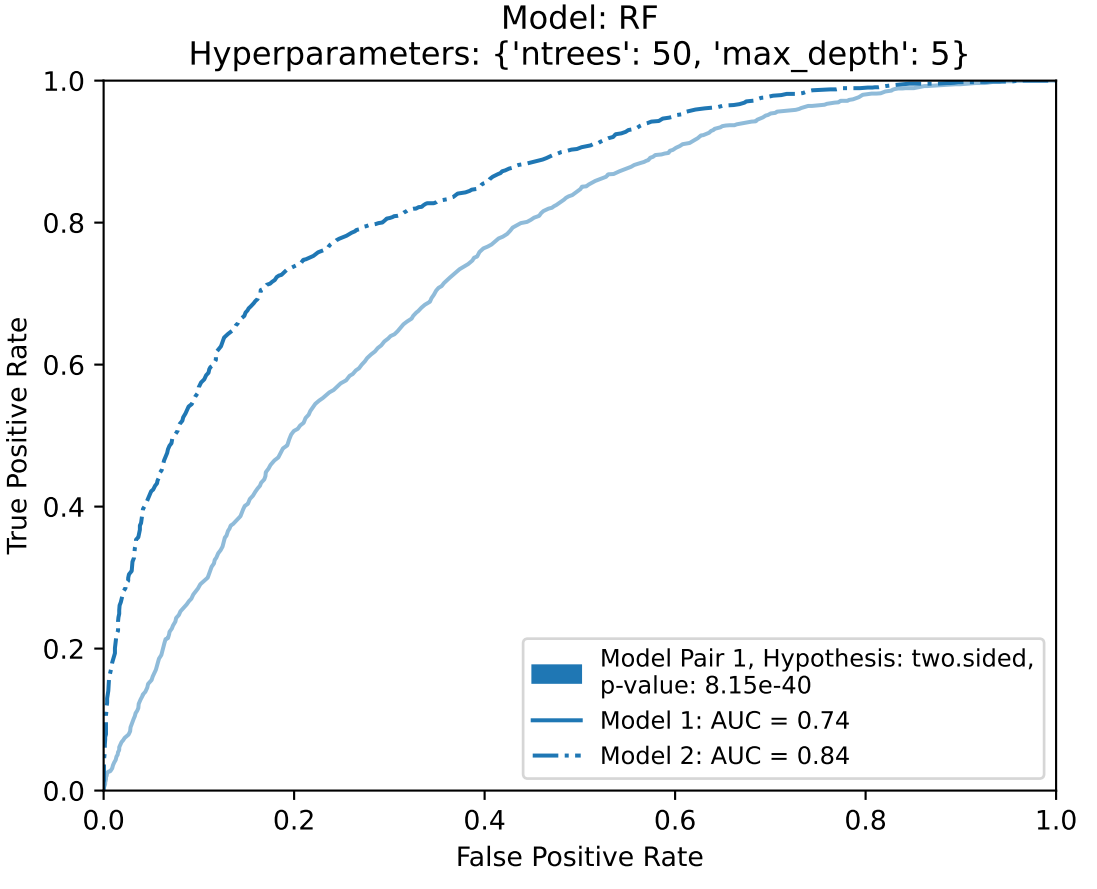
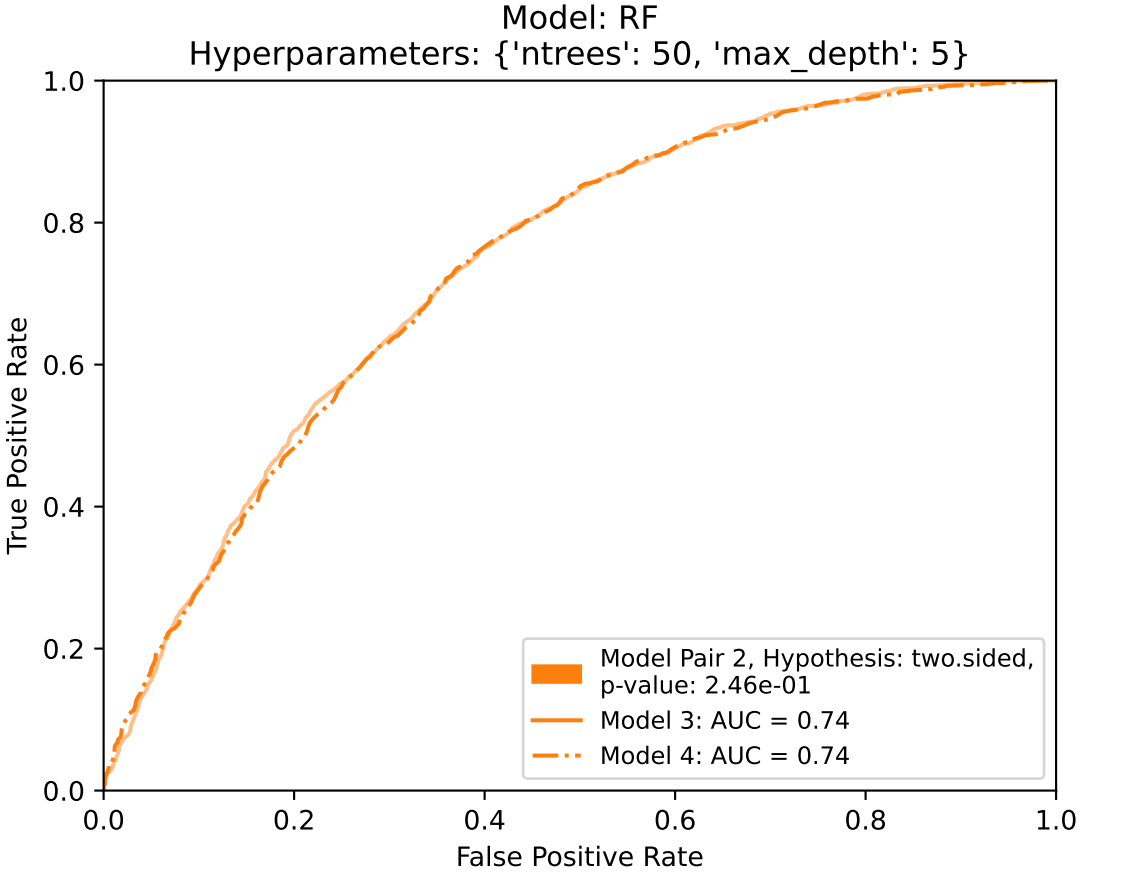
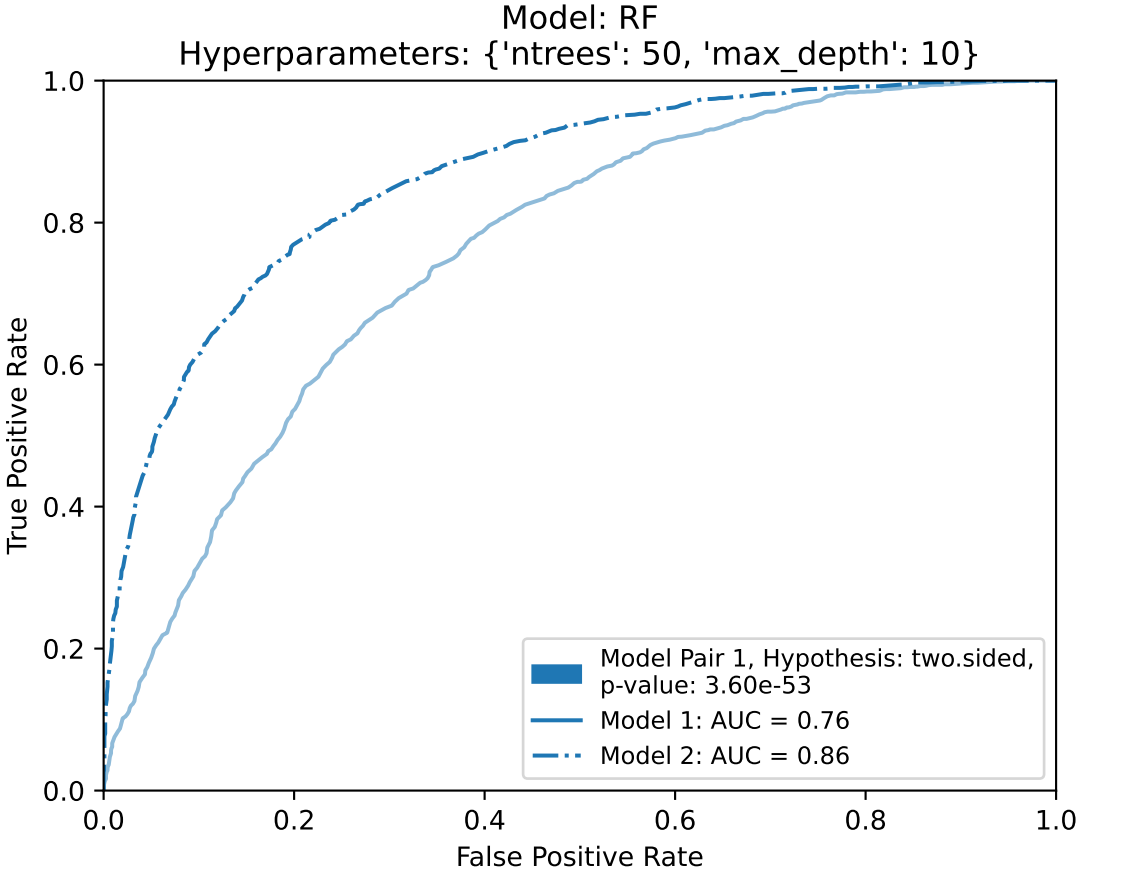
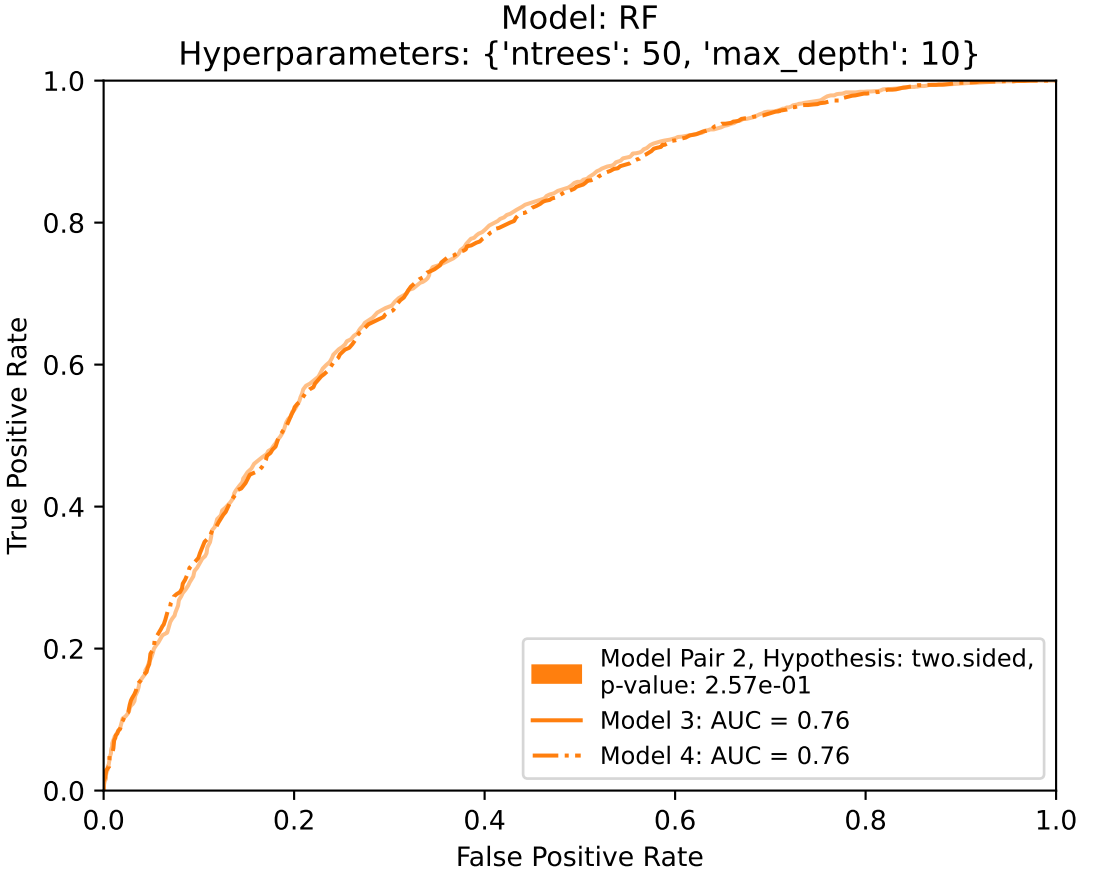
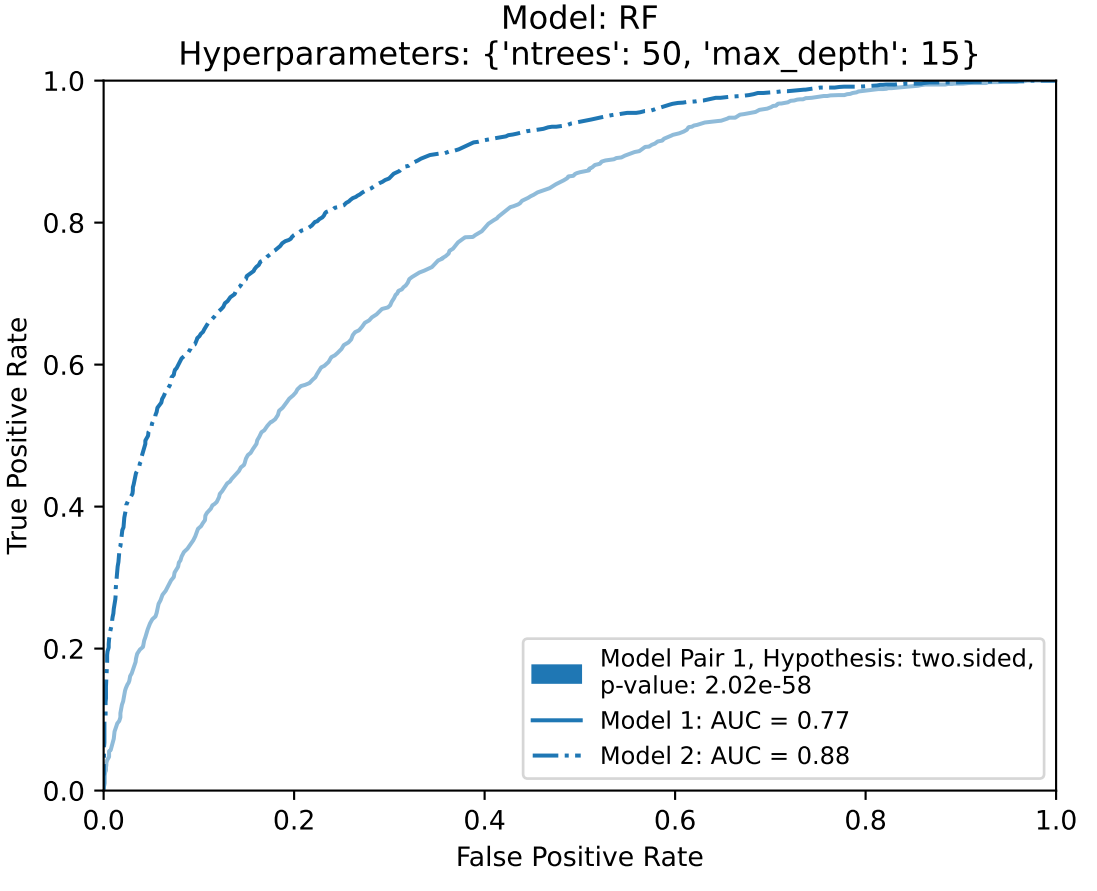
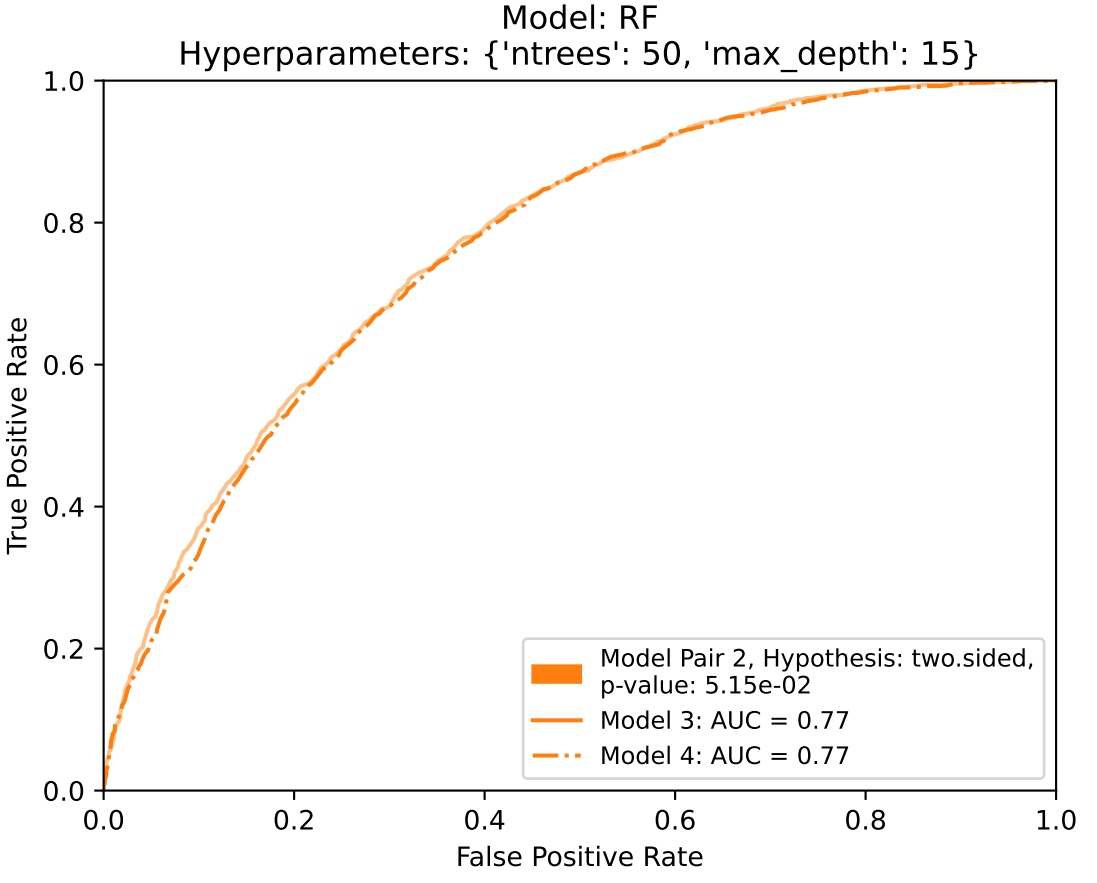

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 8.15e-40
Model 1: AUC = 0.74
Model 2: AUC = 0.84

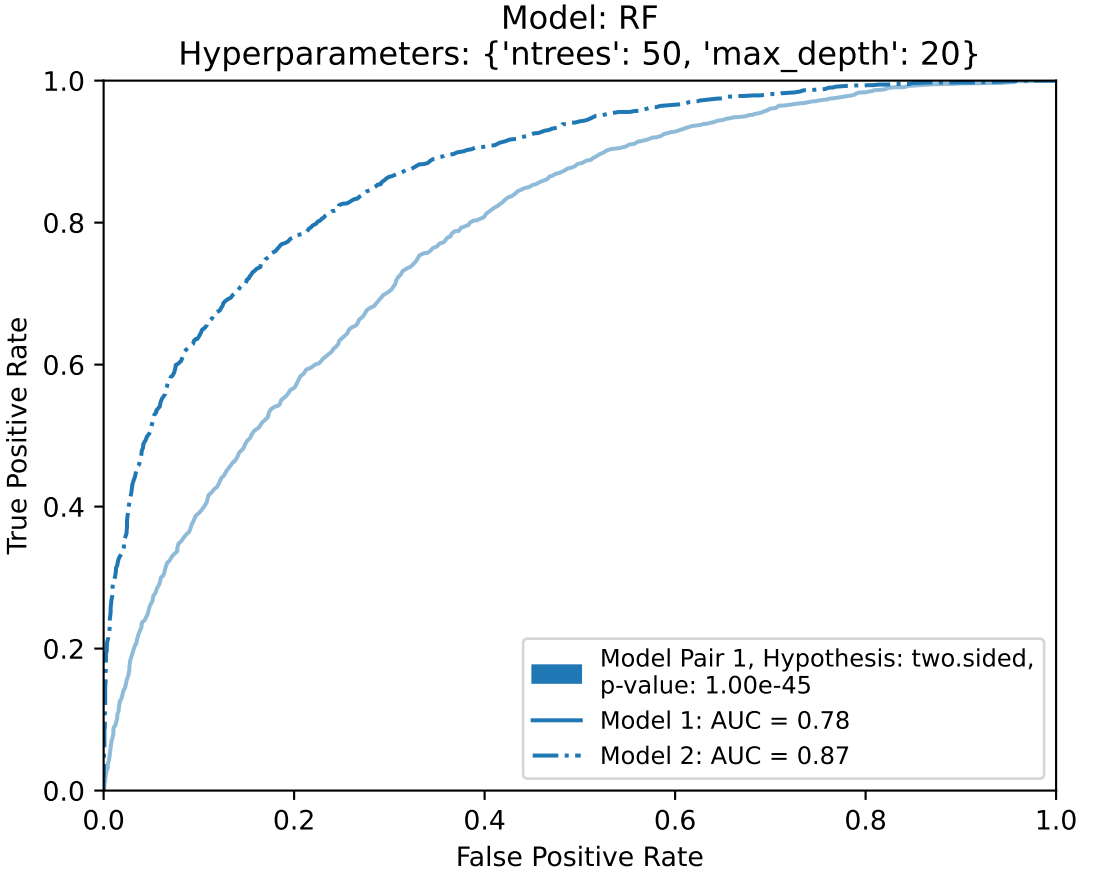

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.46e-01
Model 3: AUC = 0.74
Model 4: AUC = 0.74

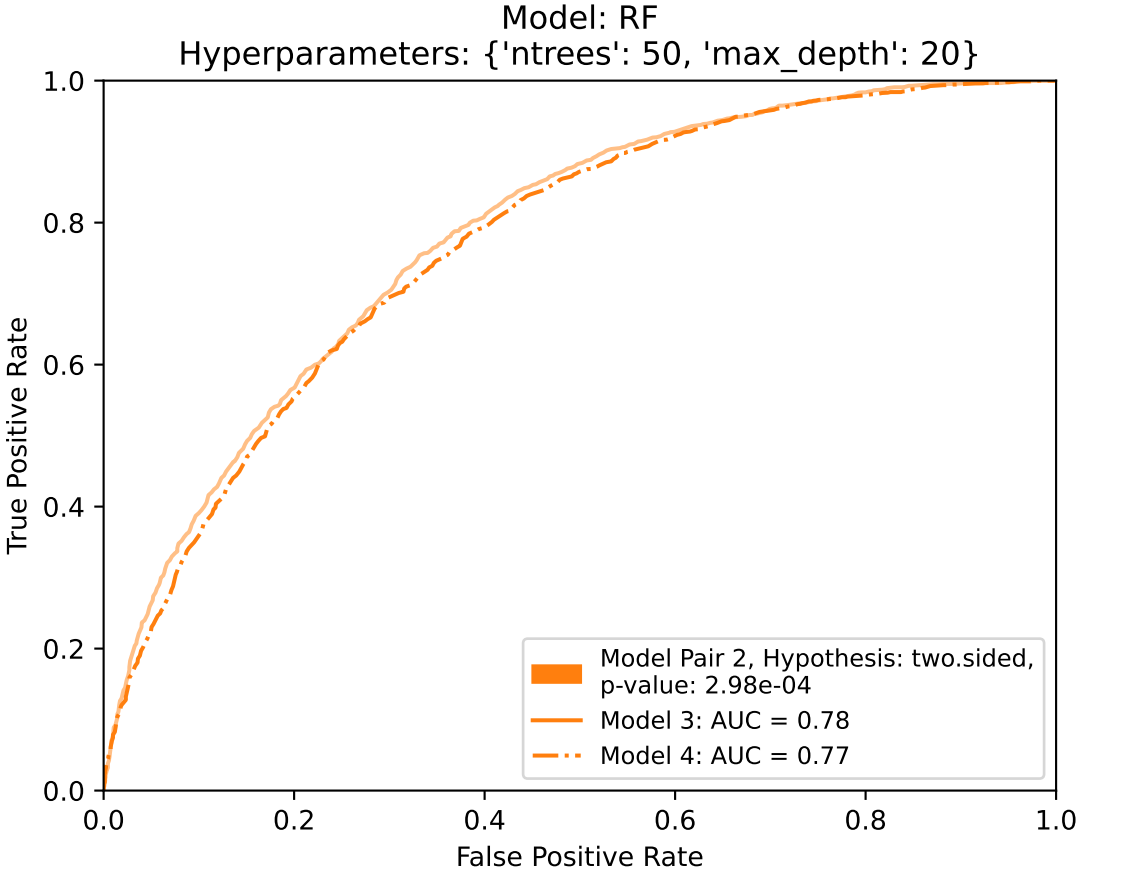

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 3.60e-53
Model 1: AUC = 0.76
Model 2: AUC = 0.86

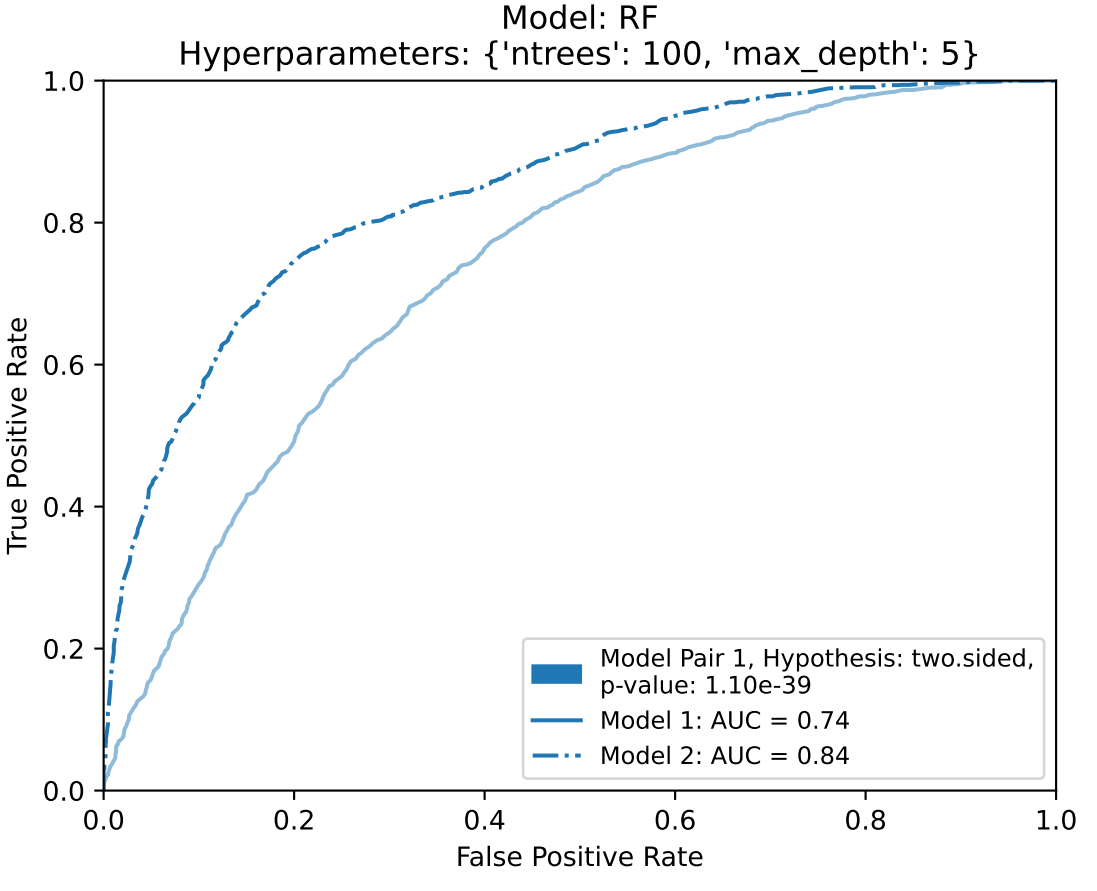

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.57e-01
Model 3: AUC = 0.76
Model 4: AUC = 0.76

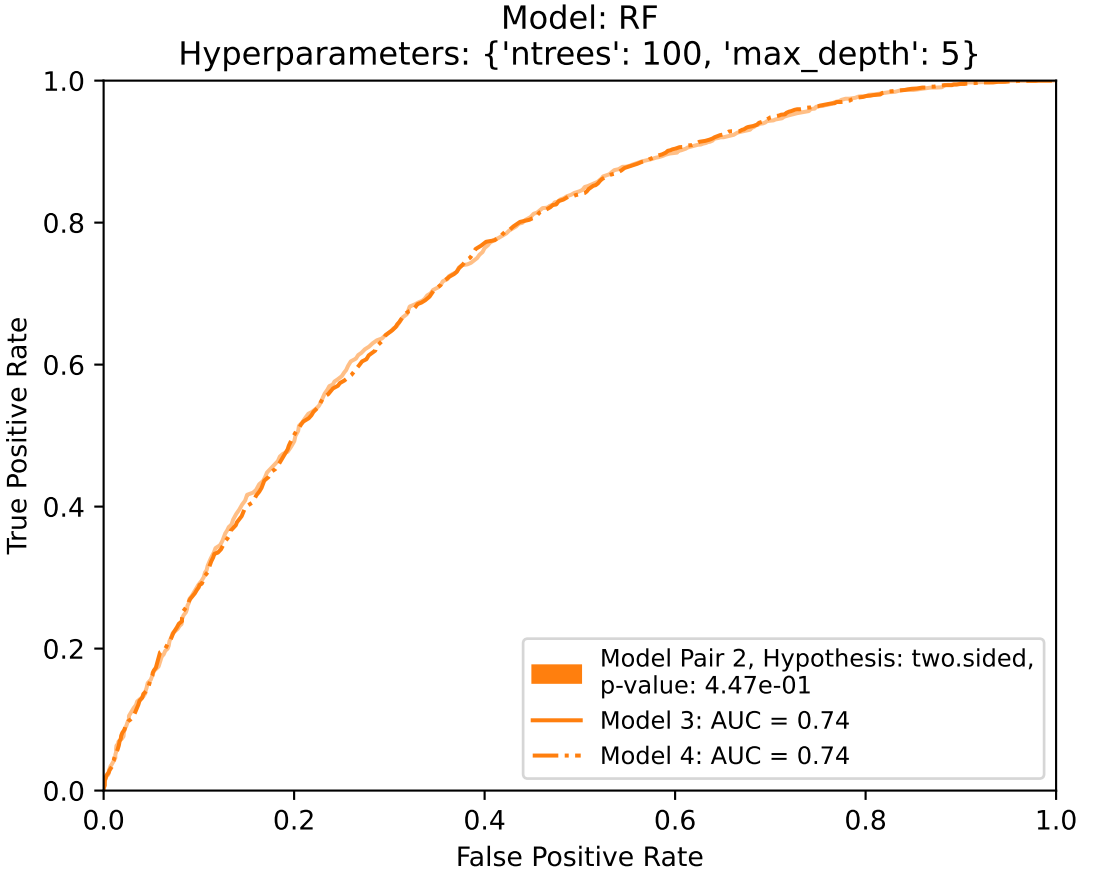

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 2.02e-58
Model 1: AUC = 0.77
Model 2: AUC = 0.88

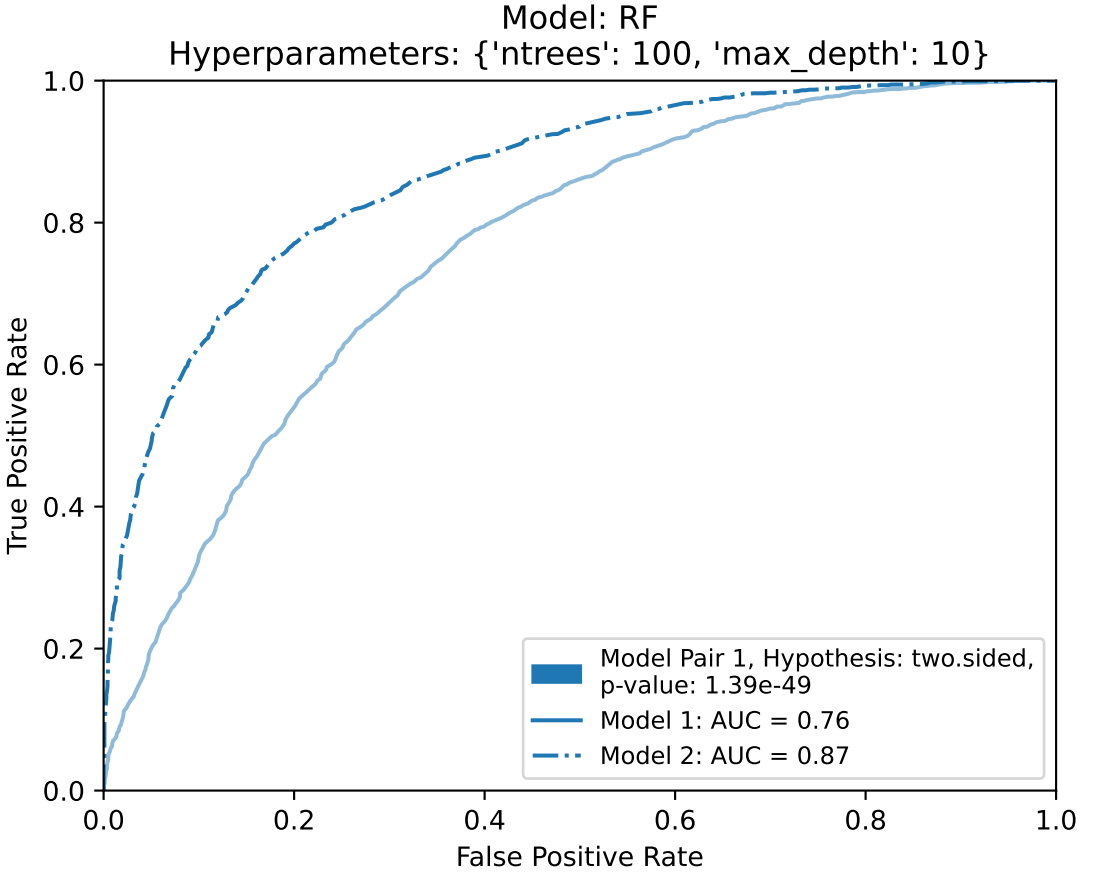

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 5.15e-02
Model 3: AUC = 0.77
Model 4: AUC = 0.77

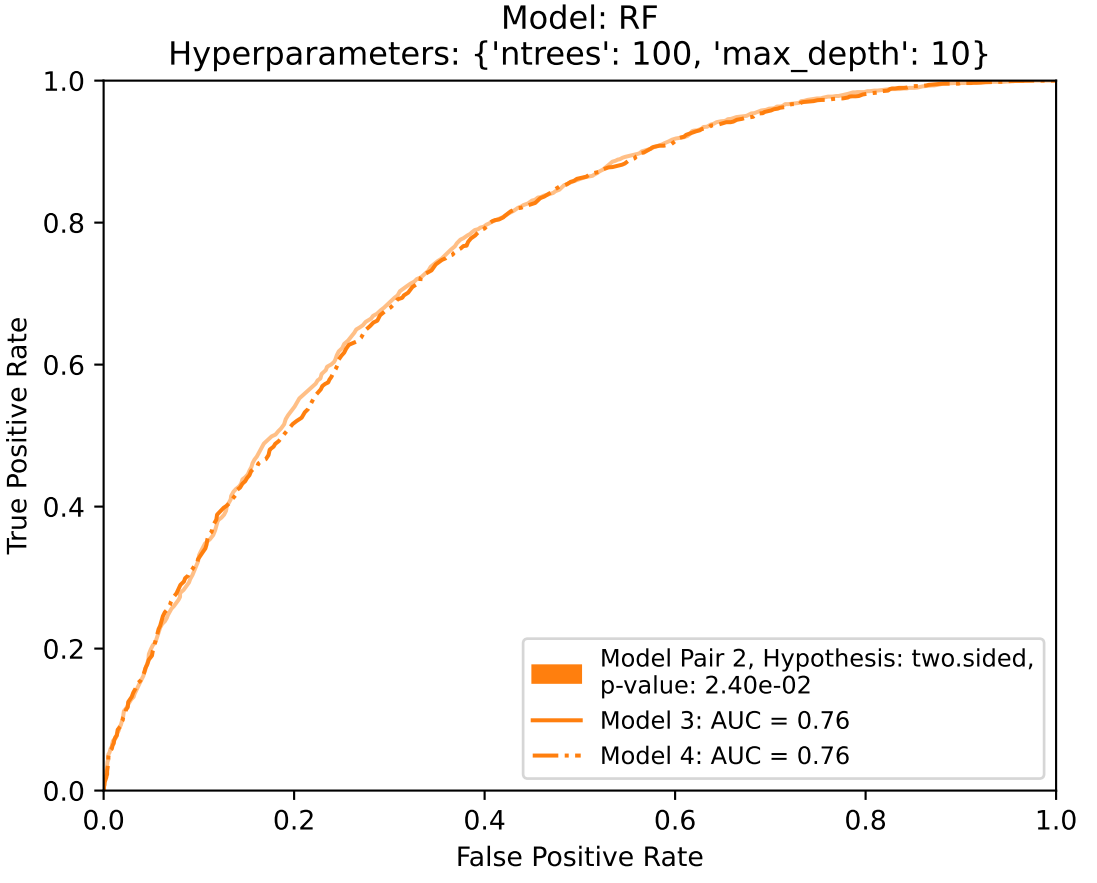

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.00e-45
Model 1: AUC = 0.78
Model 2: AUC = 0.87

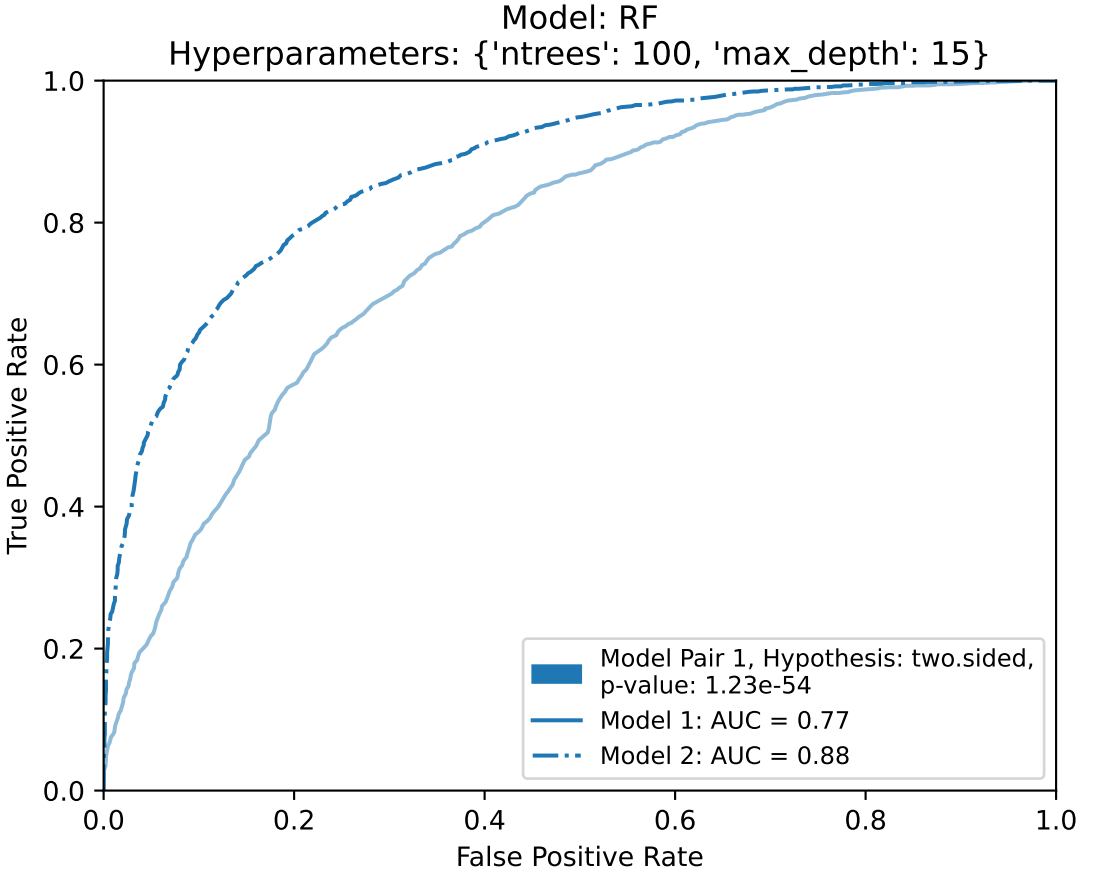

Model: RF
Hyperparameters: {'ntrees': 50, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.98e-04
Model 3: AUC = 0.78
Model 4: AUC = 0.77

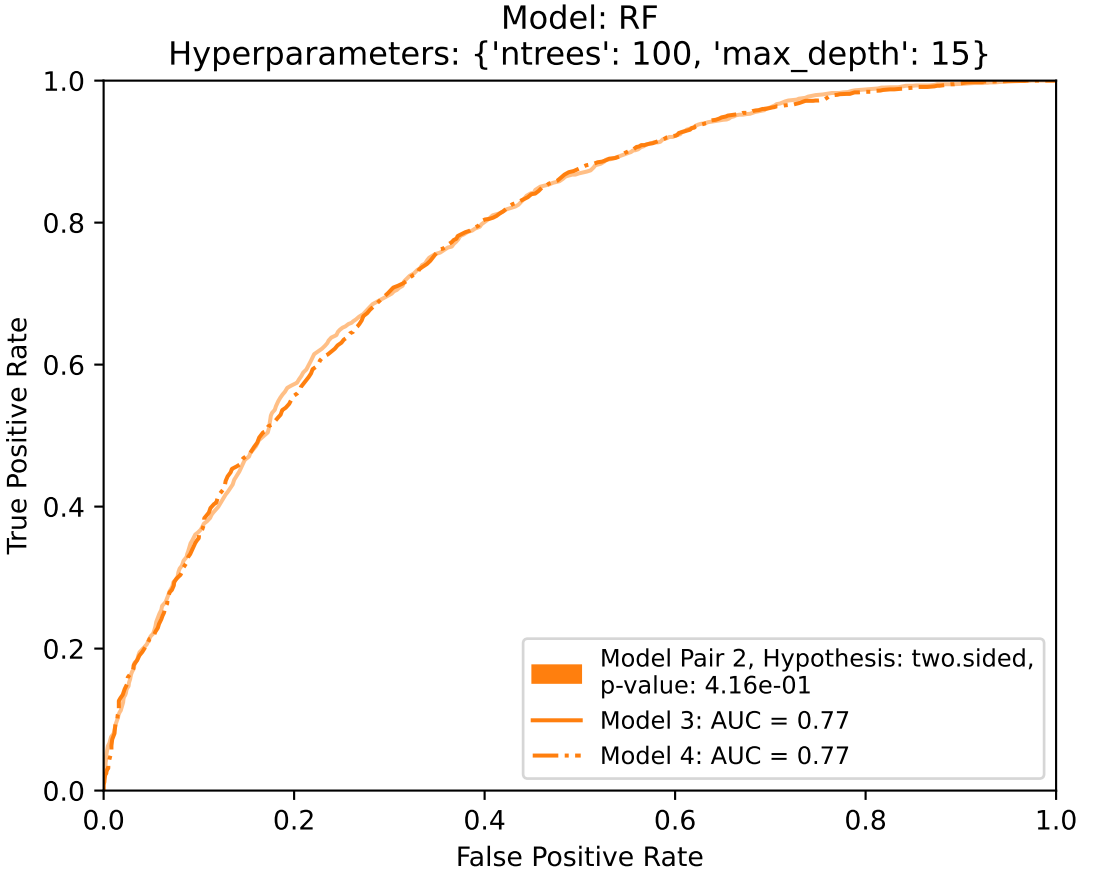

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.10e-39
Model 1: AUC = 0.74
Model 2: AUC = 0.84

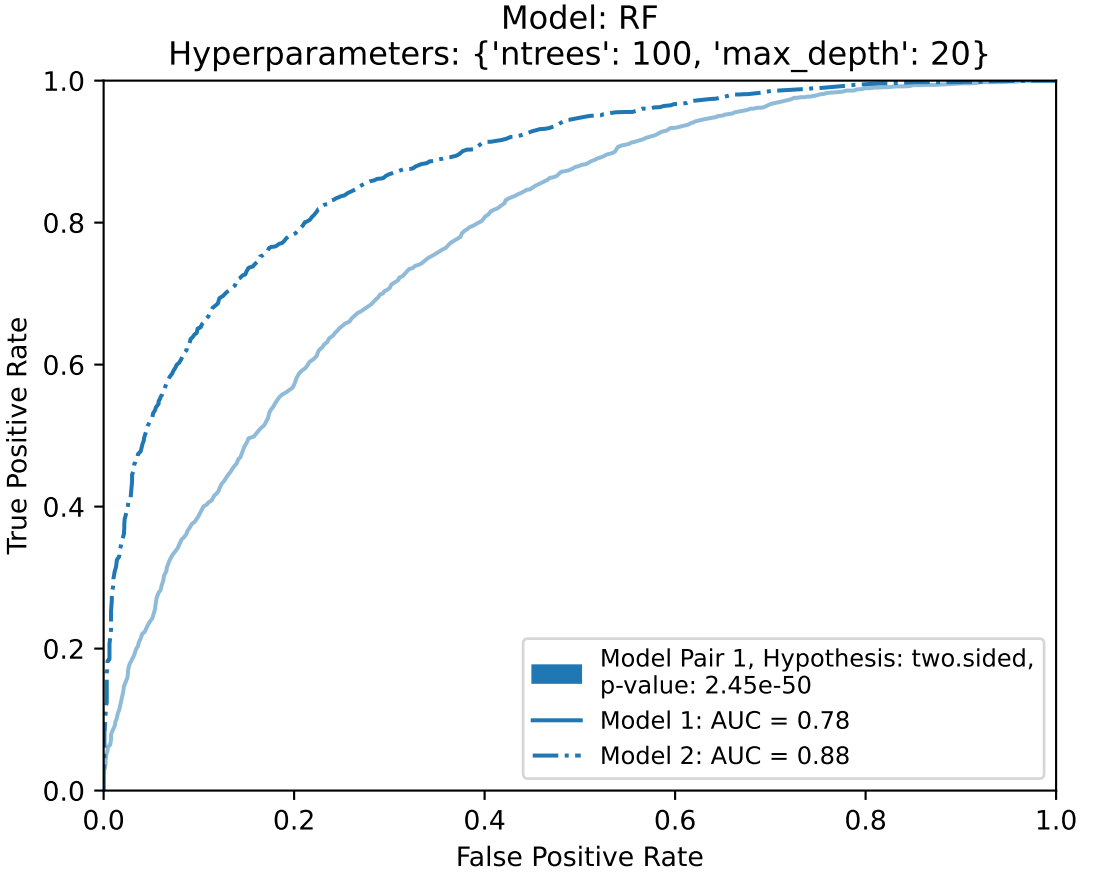

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 4.47e-01
Model 3: AUC = 0.74
Model 4: AUC = 0.74

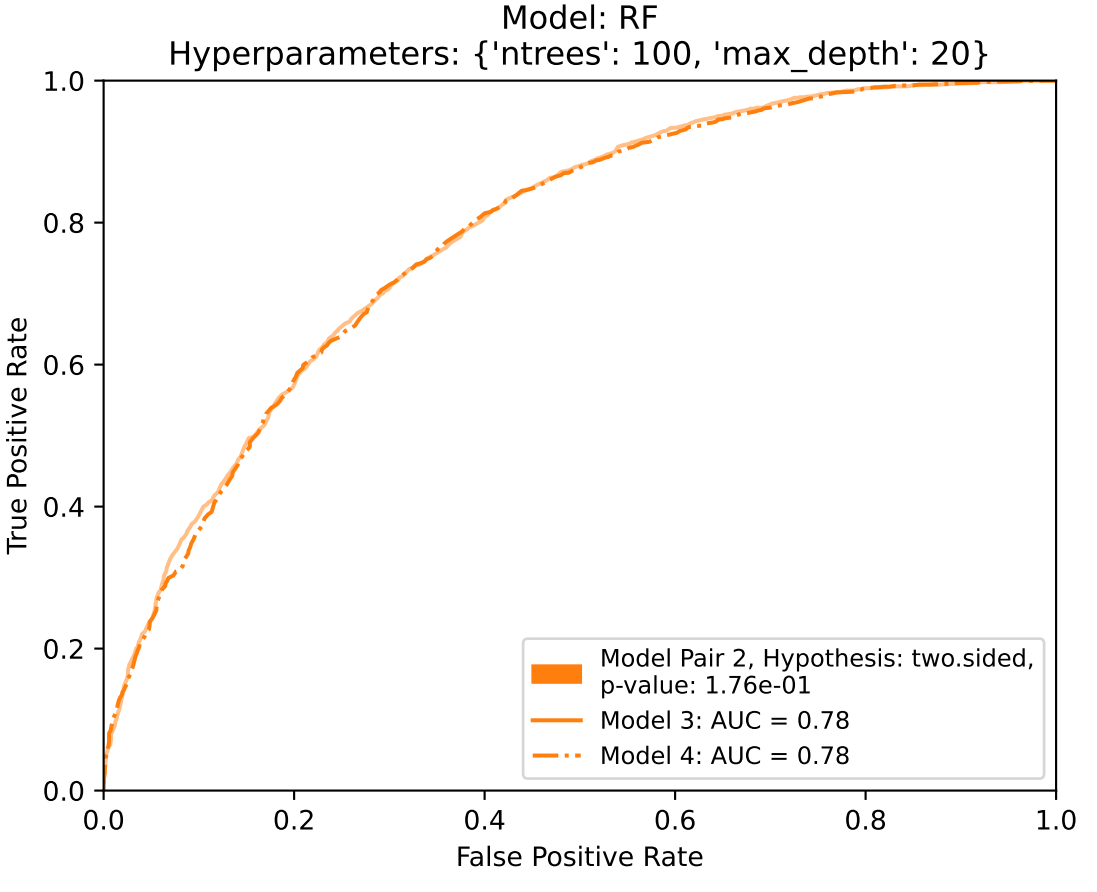

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.39e-49
Model 1: AUC = 0.76
Model 2: AUC = 0.87

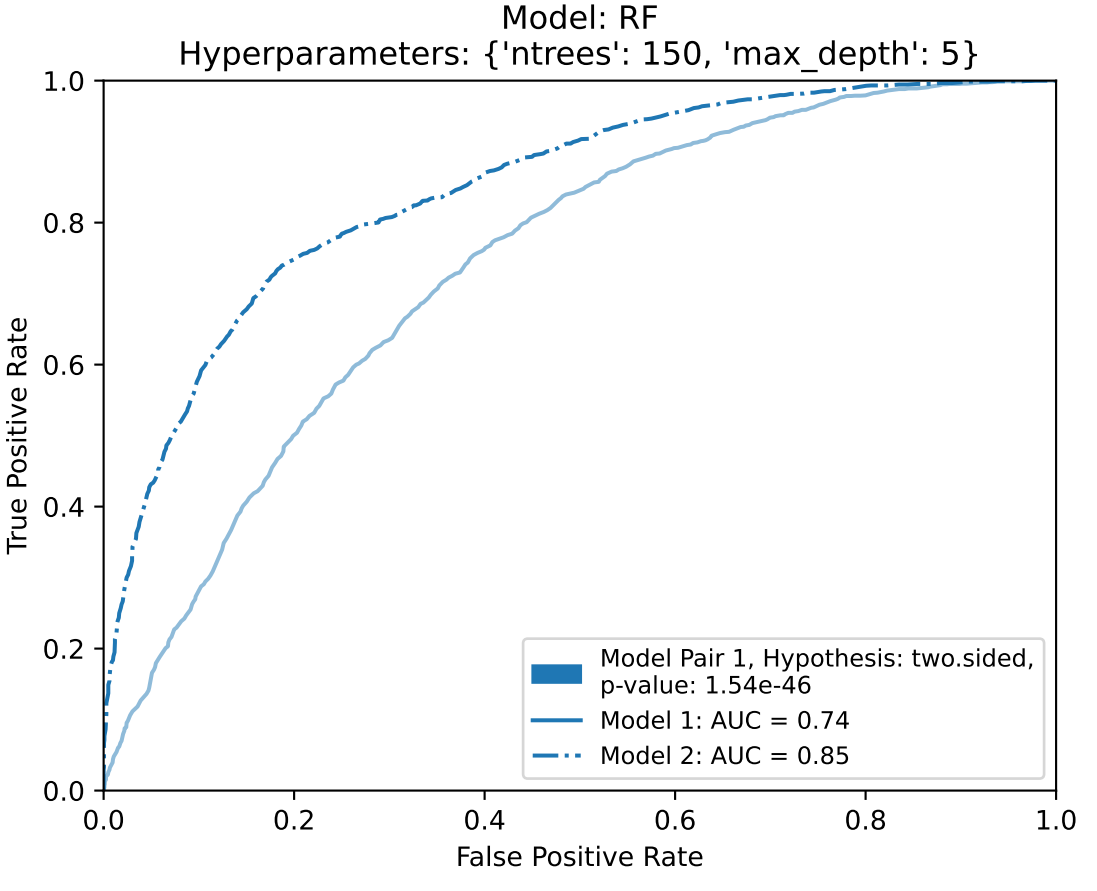

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.40e-02
Model 3: AUC = 0.76
Model 4: AUC = 0.76

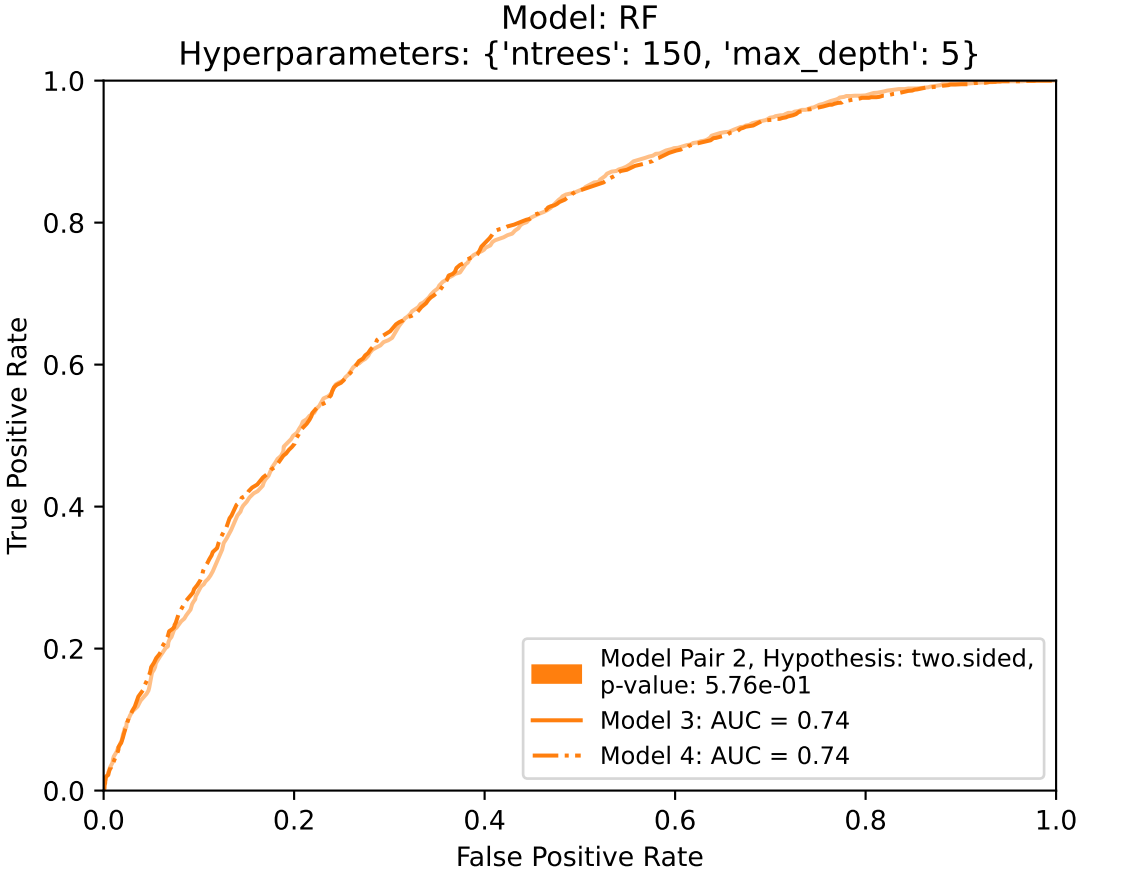

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.23e-54
Model 1: AUC = 0.77
Model 2: AUC = 0.88

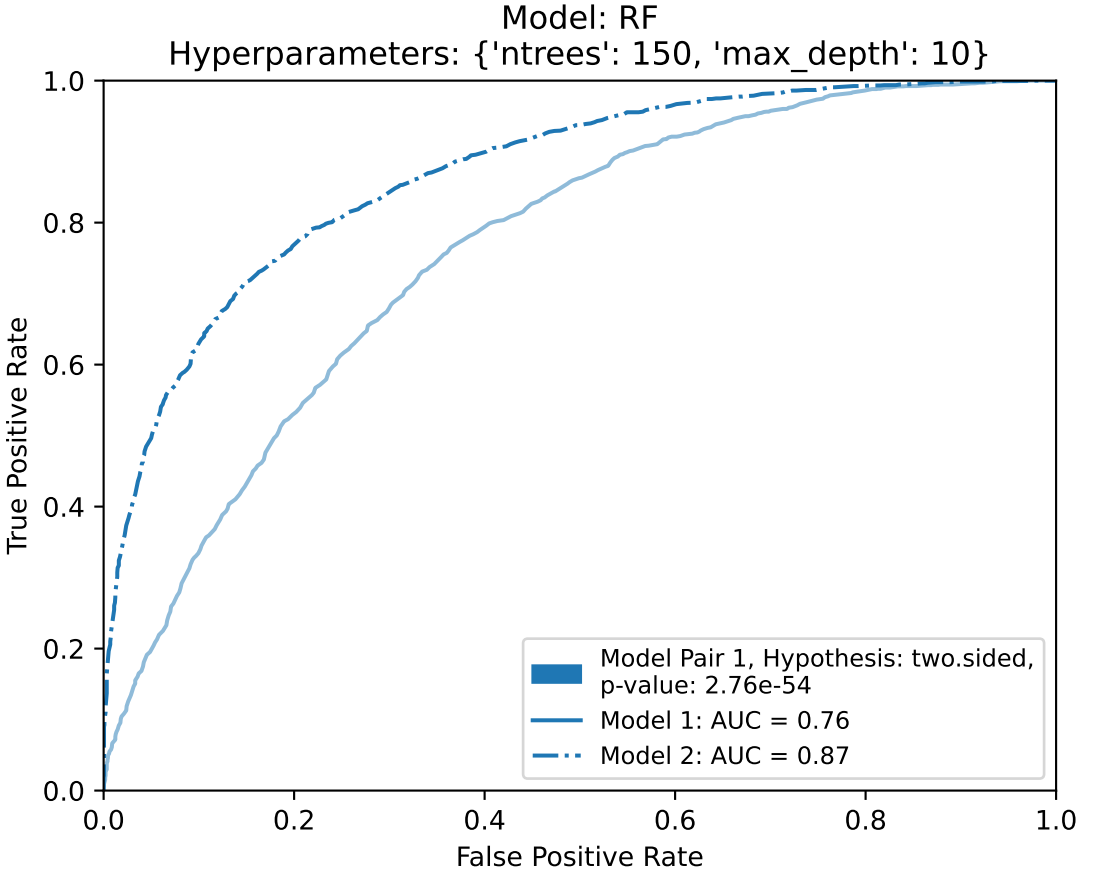

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 4.16e-01
Model 3: AUC = 0.77
Model 4: AUC = 0.77

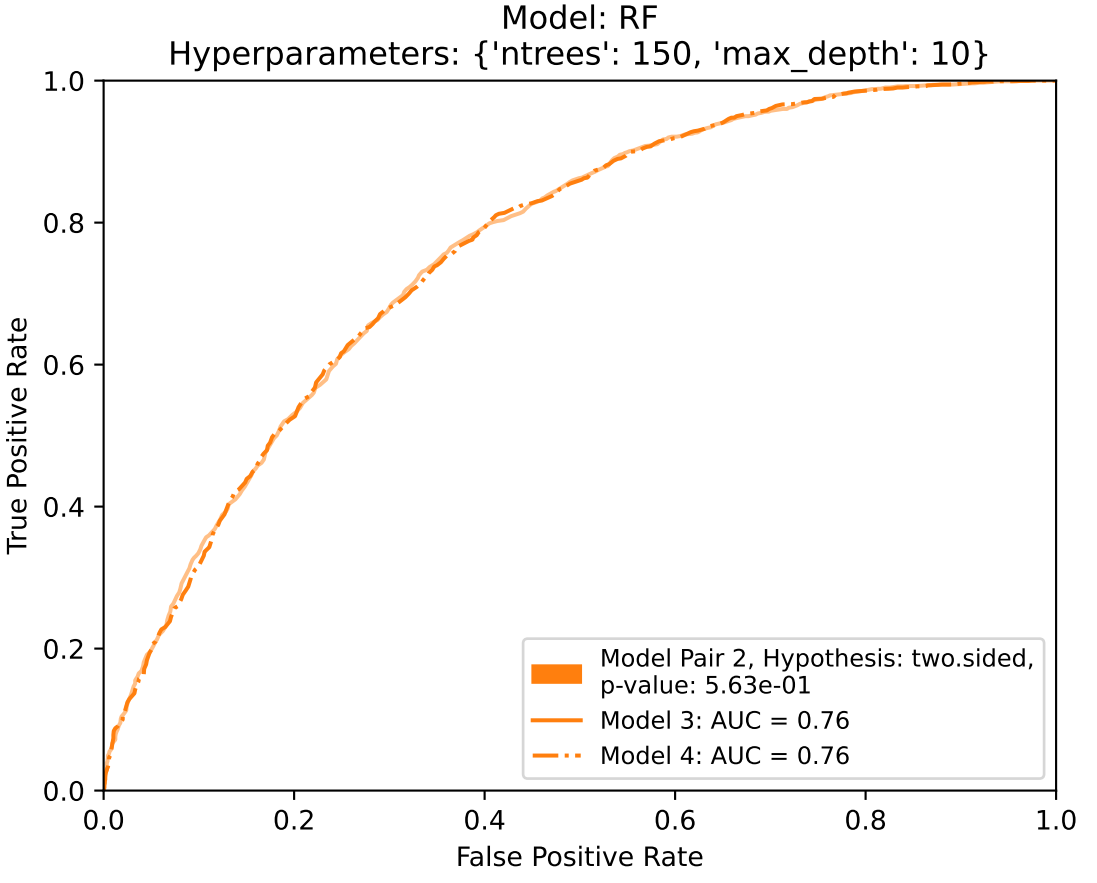

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 2.45e-50
Model 1: AUC = 0.78
Model 2: AUC = 0.88

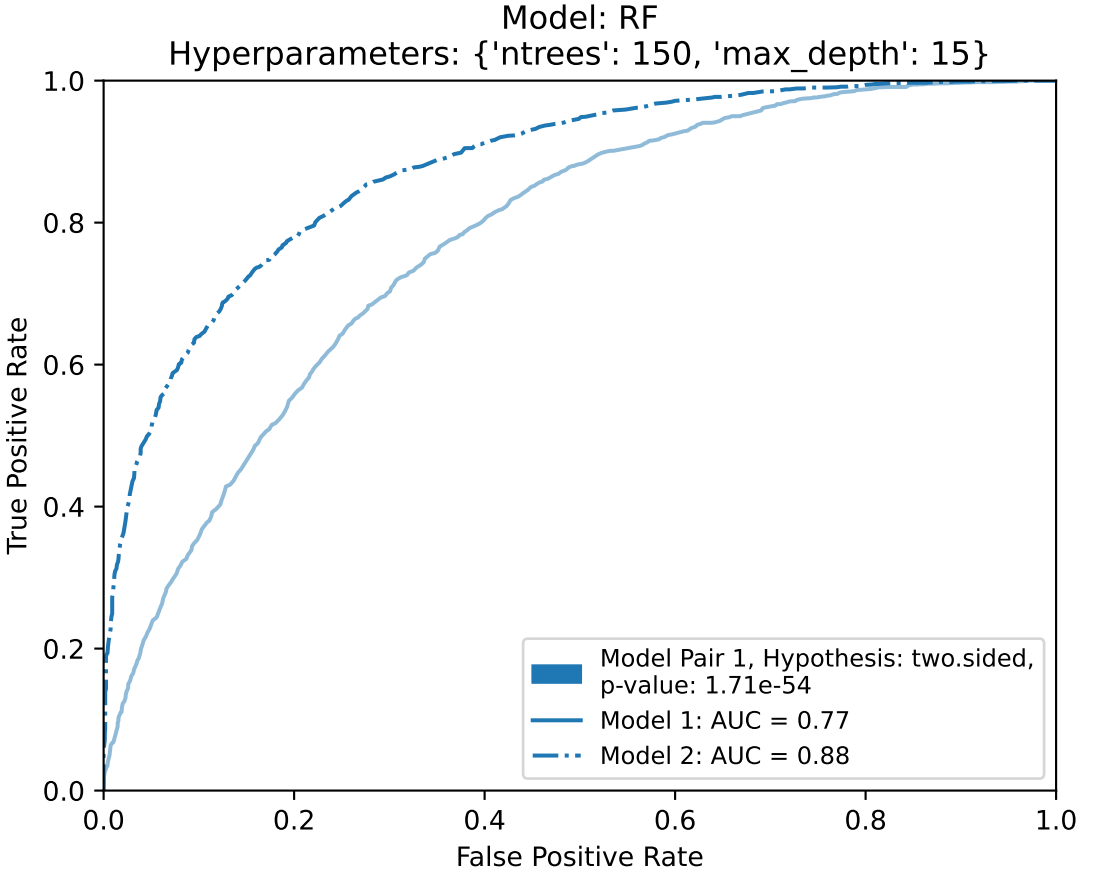

Model: RF
Hyperparameters: {'ntrees': 100, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 1.76e-01
Model 3: AUC = 0.78
Model 4: AUC = 0.78

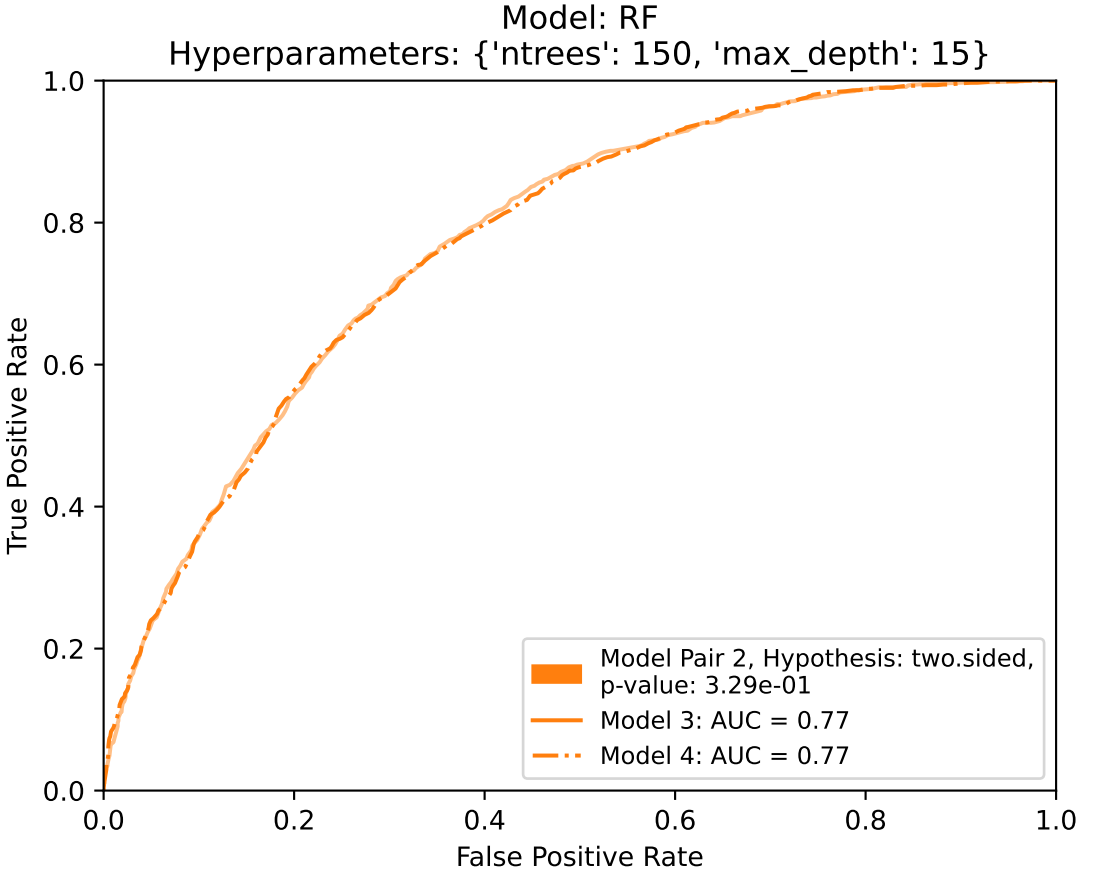

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.54e-46
Model 1: AUC = 0.74
Model 2: AUC = 0.85

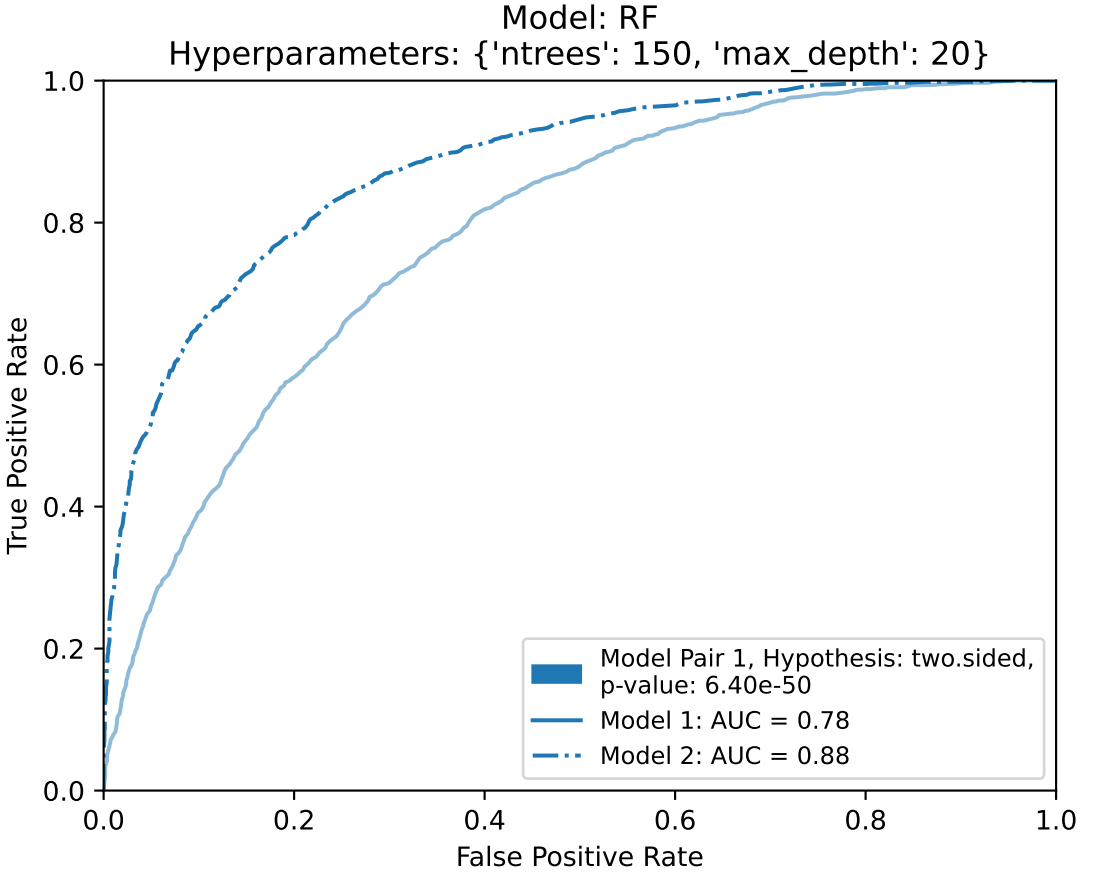

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 5.76e-01
Model 3: AUC = 0.74
Model 4: AUC = 0.74

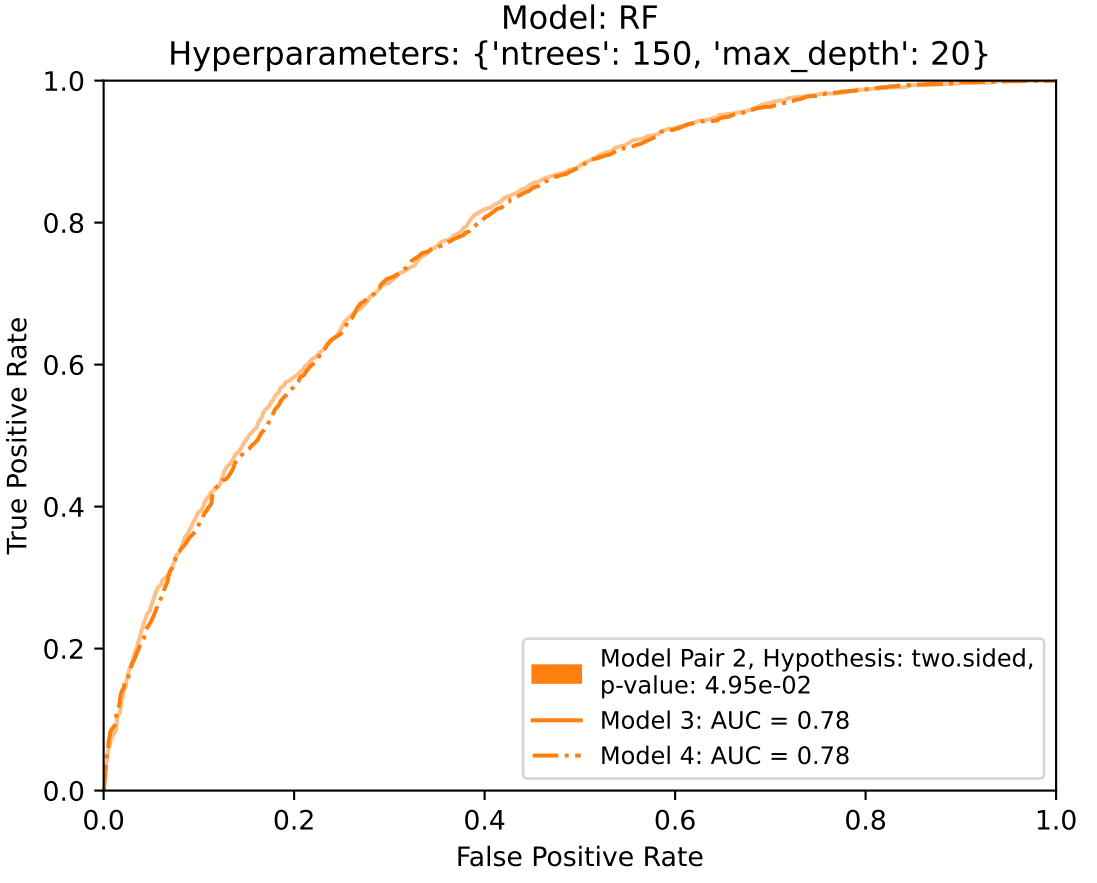

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 2.76e-54
Model 1: AUC = 0.76
Model 2: AUC = 0.87

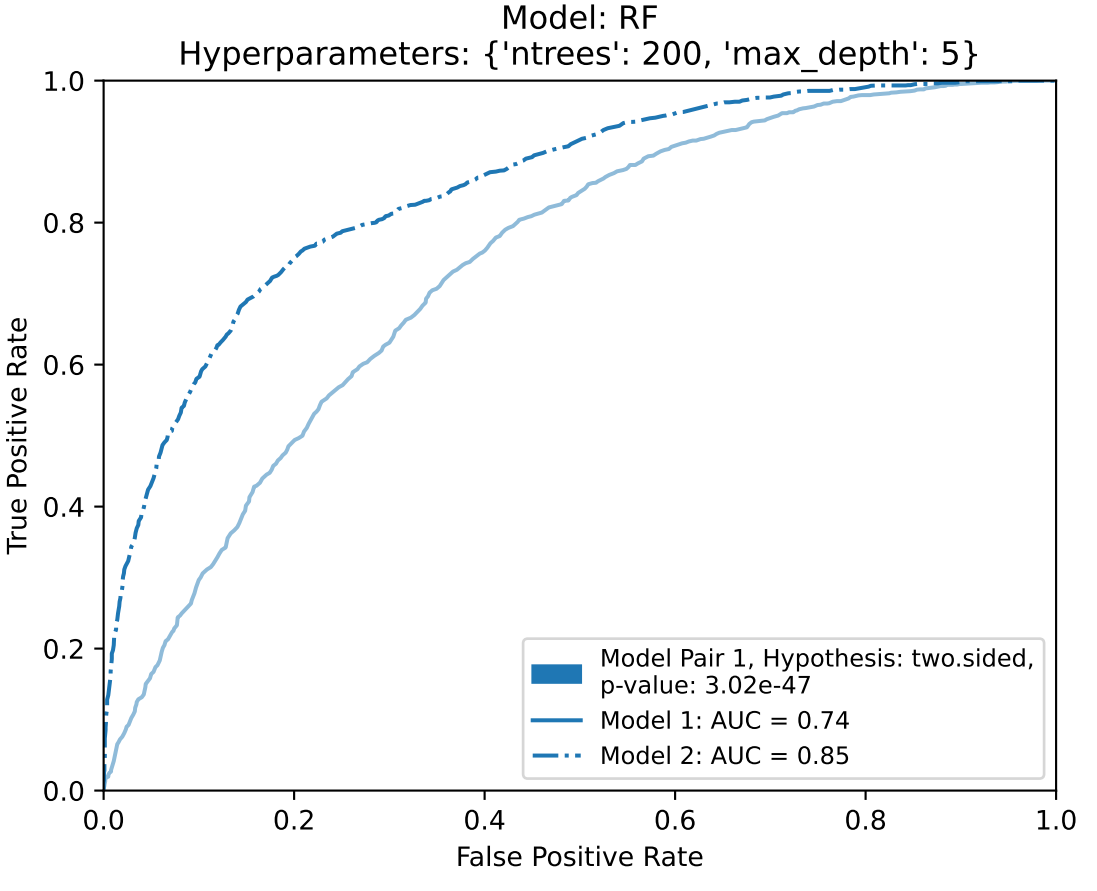

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 5.63e-01
Model 3: AUC = 0.76
Model 4: AUC = 0.76

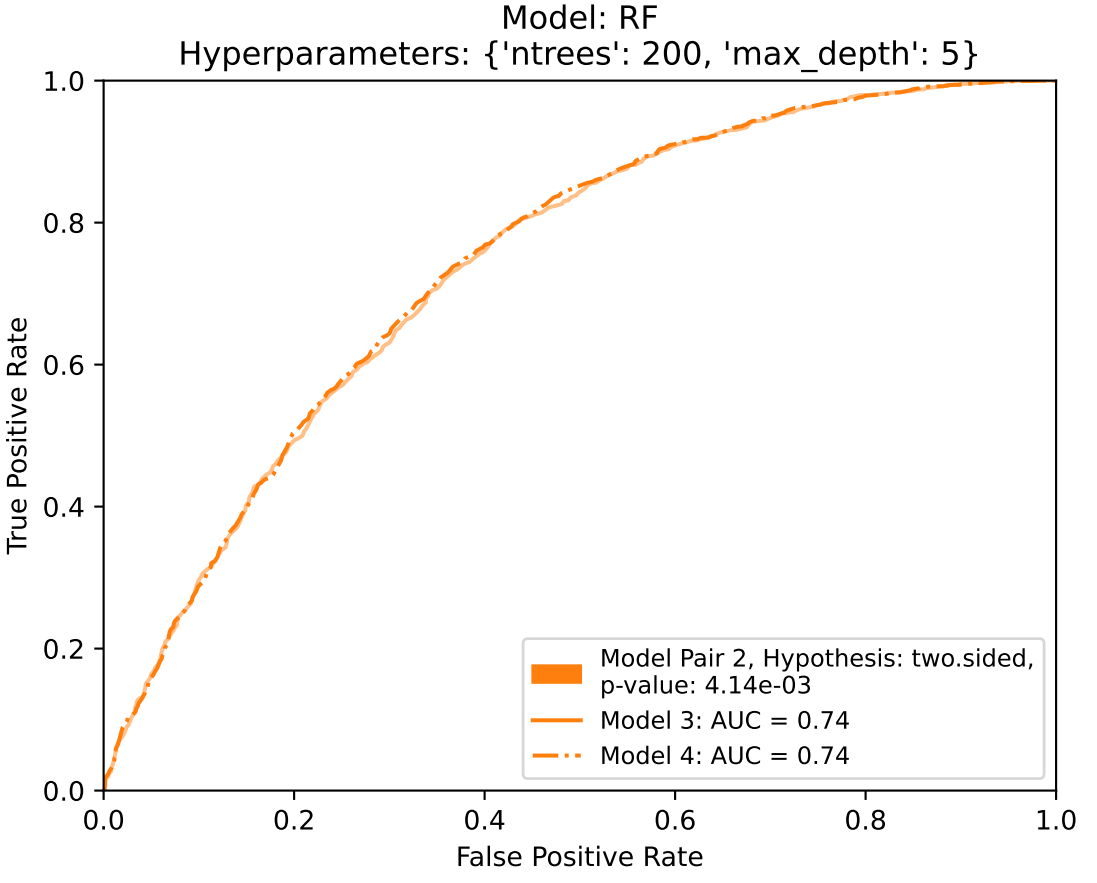

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.71e-54
Model 1: AUC = 0.77
Model 2: AUC = 0.88

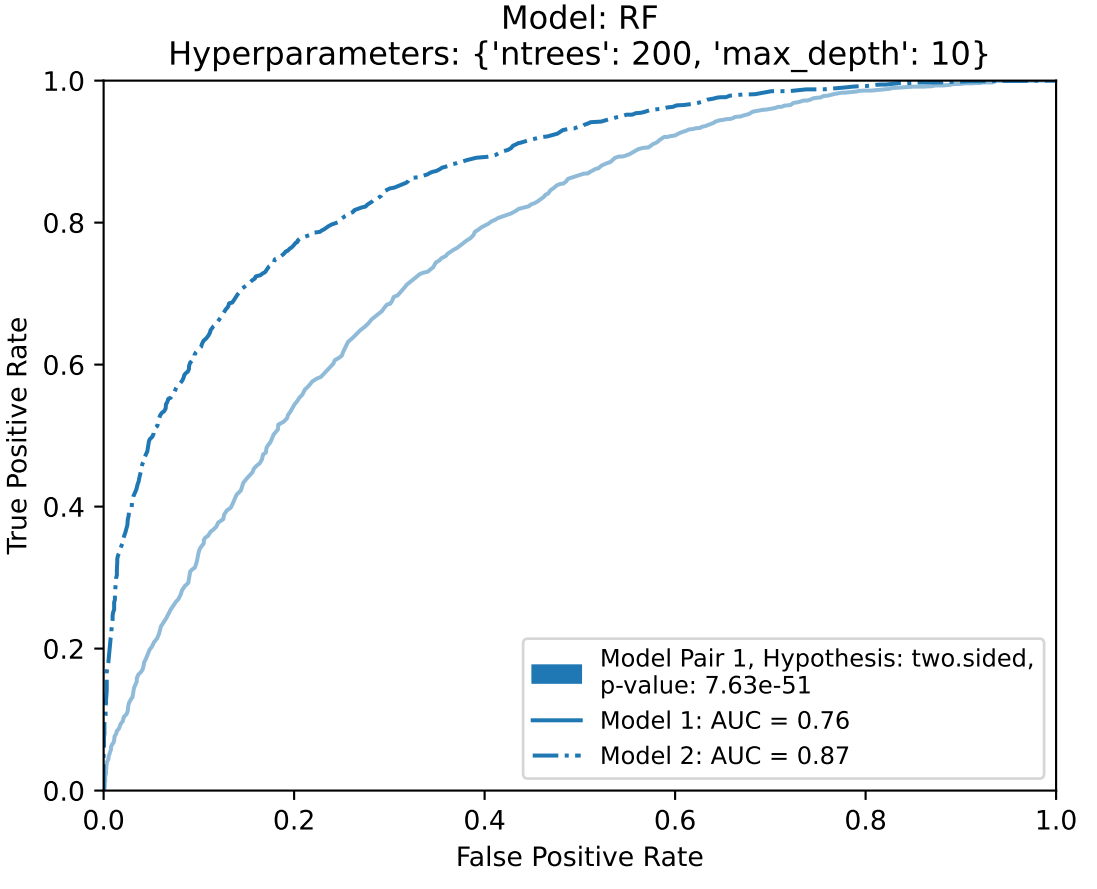

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 3.29e-01
Model 3: AUC = 0.77
Model 4: AUC = 0.77

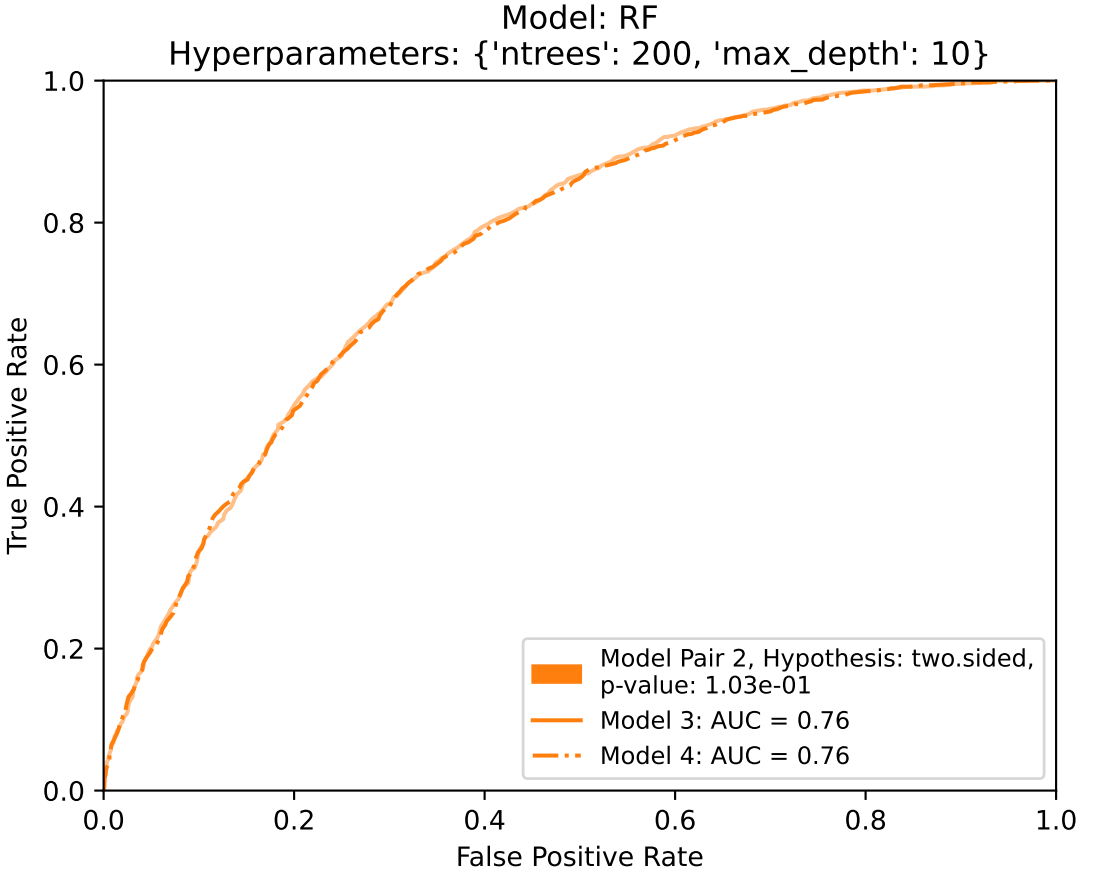

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 6.40e-50
Model 1: AUC = 0.78
Model 2: AUC = 0.88

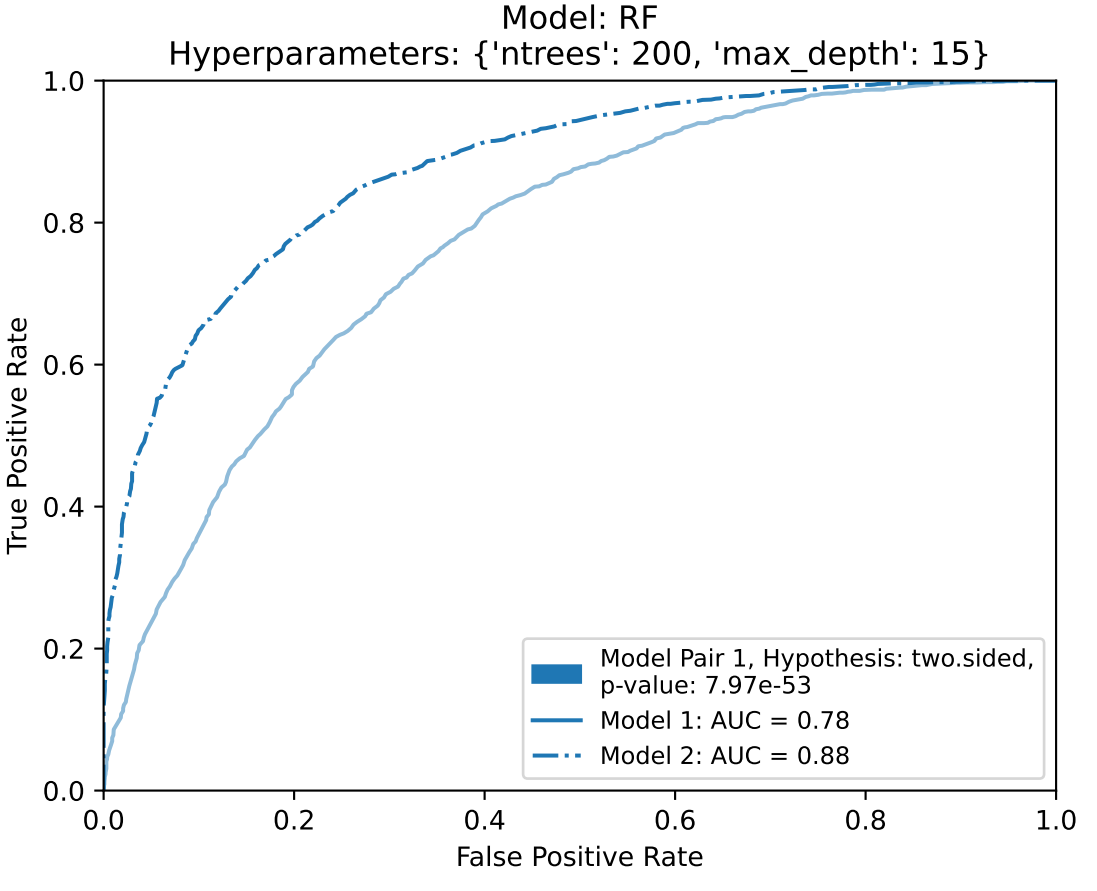

Model: RF
Hyperparameters: {'ntrees': 150, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 4.95e-02
Model 3: AUC = 0.78
Model 4: AUC = 0.78

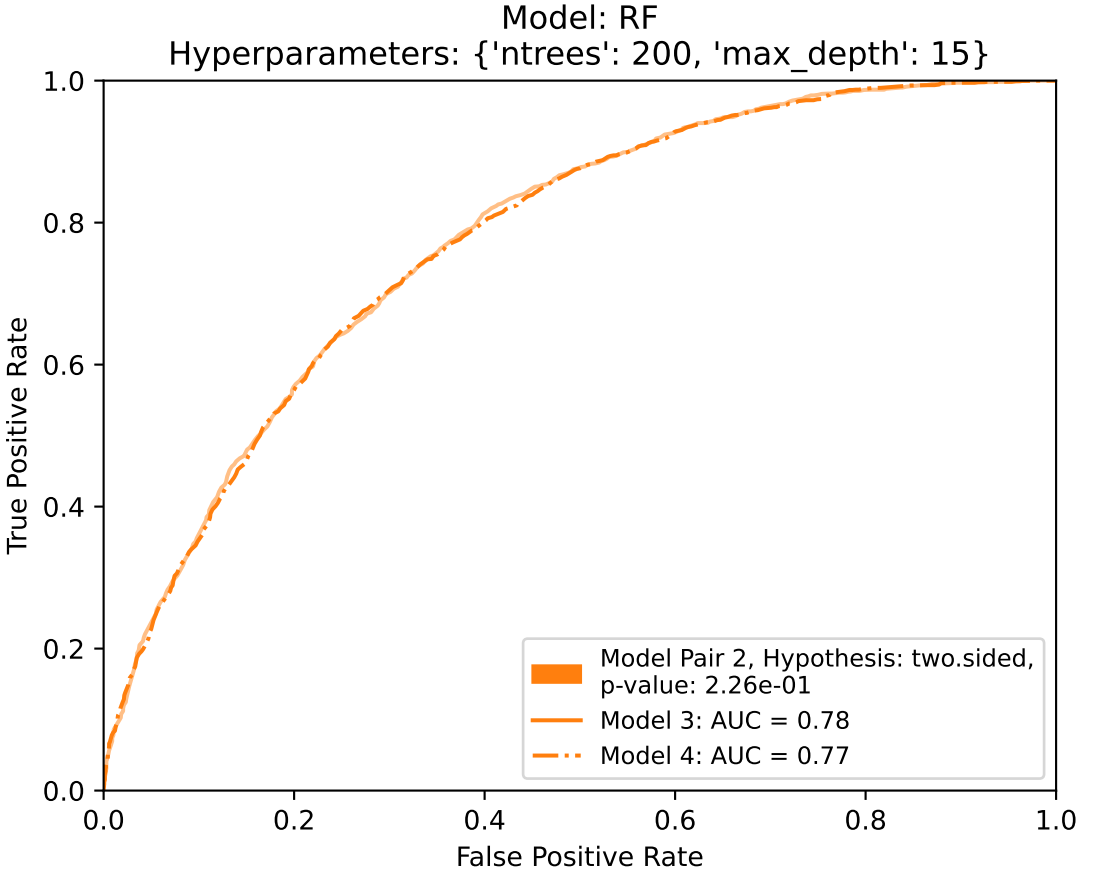

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 3.02e-47
Model 1: AUC = 0.74
Model 2: AUC = 0.85

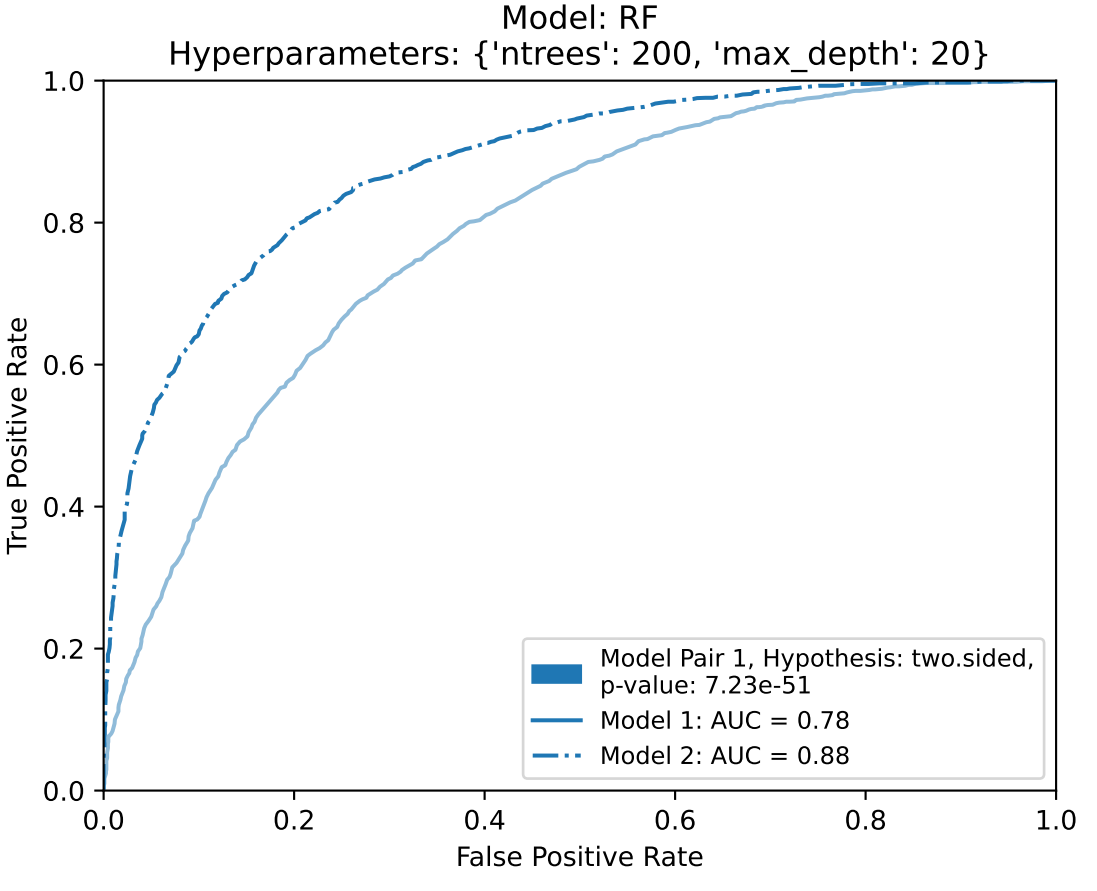

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 4.14e-03
Model 3: AUC = 0.74
Model 4: AUC = 0.74

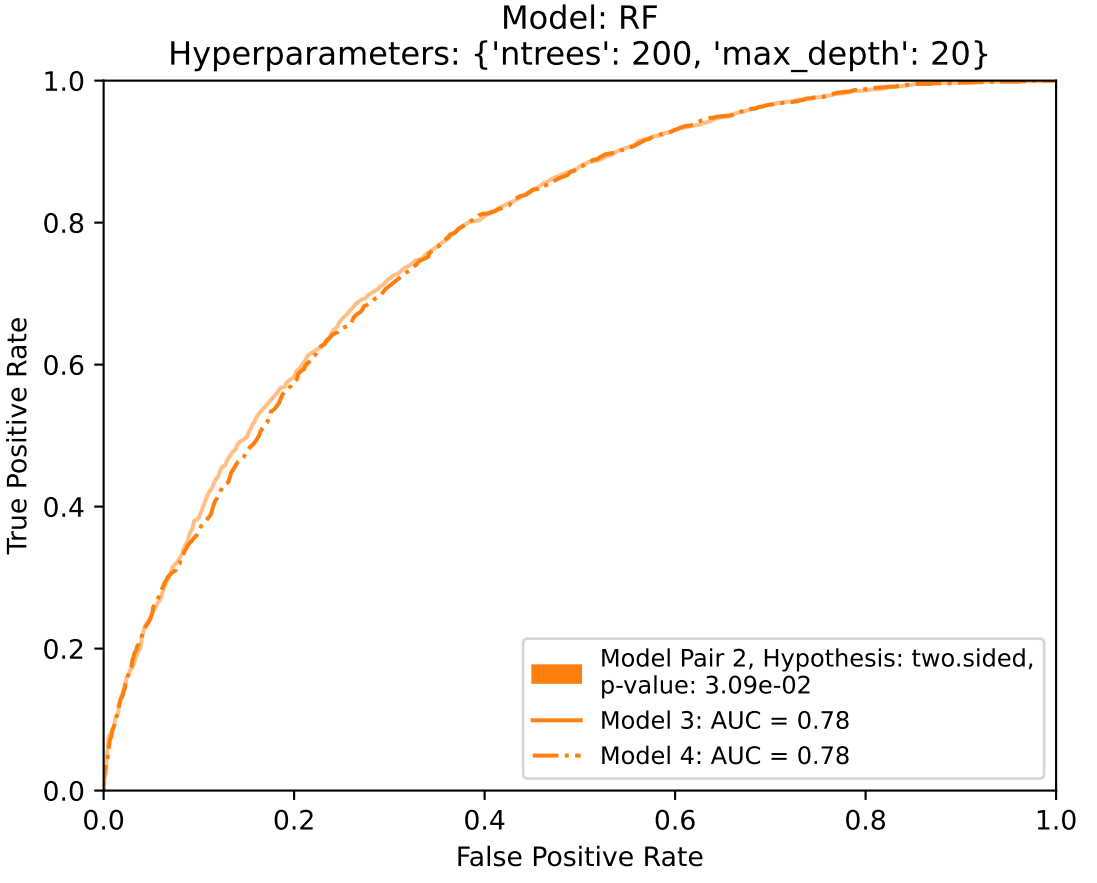

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 7.63e-51
Model 1: AUC = 0.76
Model 2: AUC = 0.87

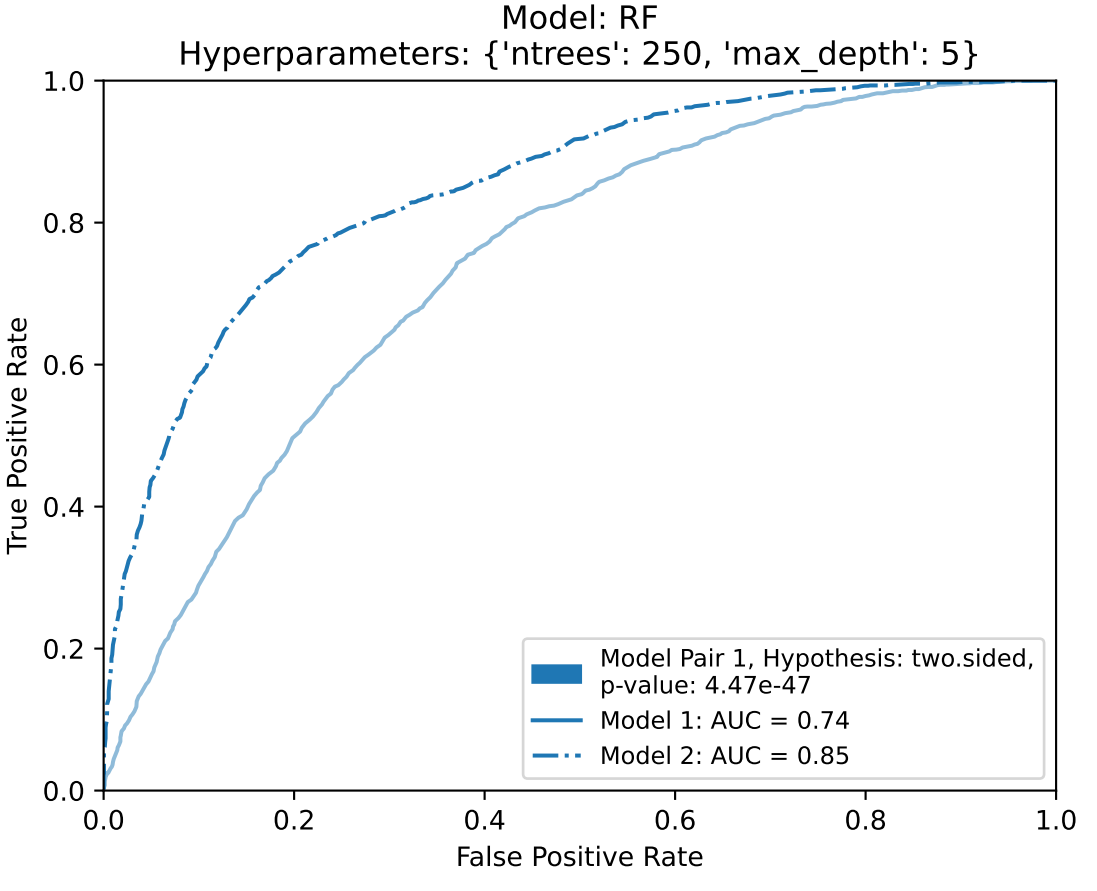

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 1.03e-01
Model 3: AUC = 0.76
Model 4: AUC = 0.76

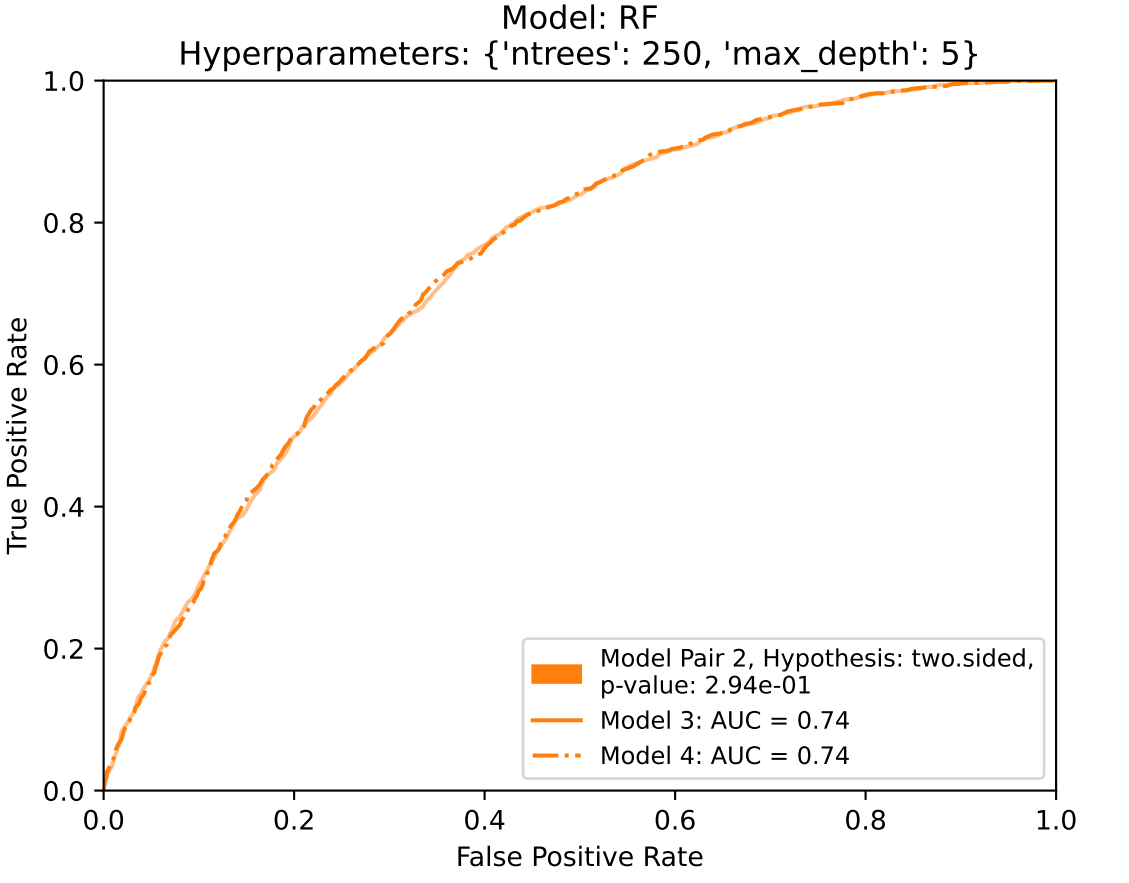

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 7.97e-53
Model 1: AUC = 0.78
Model 2: AUC = 0.88

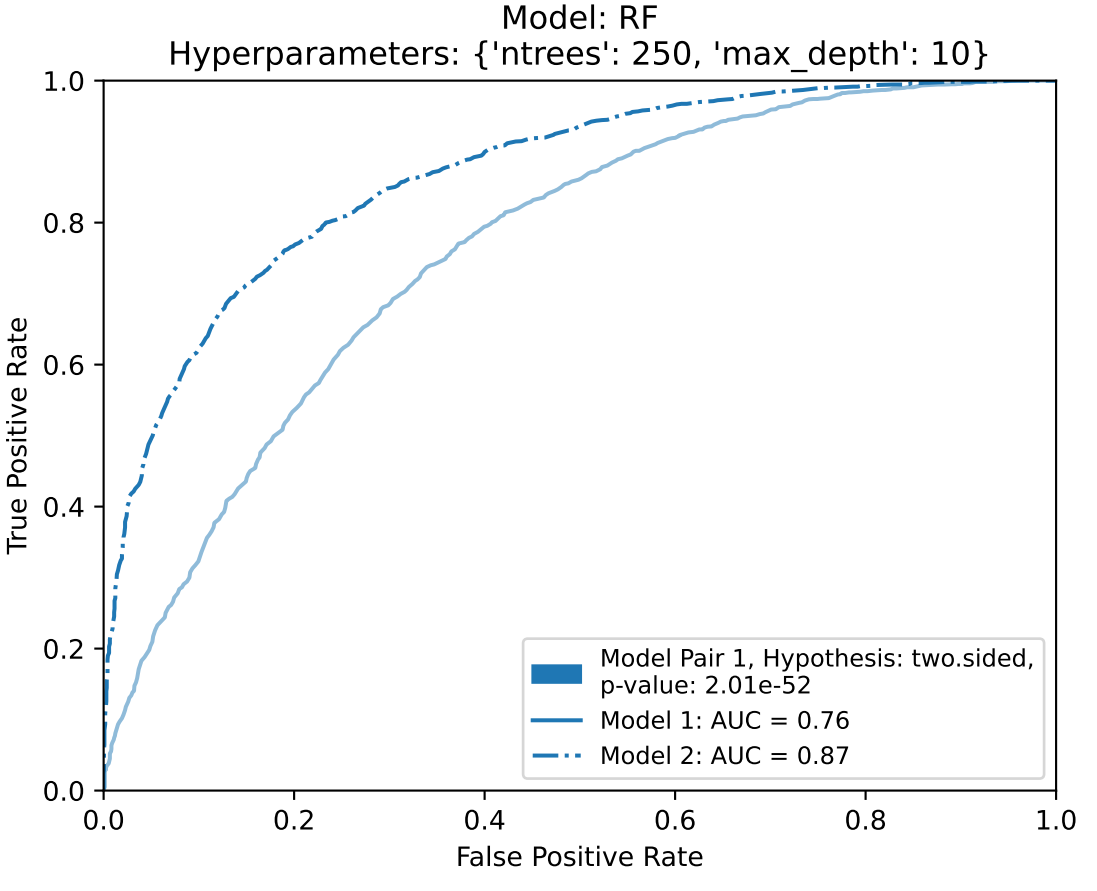

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.26e-01
Model 3: AUC = 0.78
Model 4: AUC = 0.77

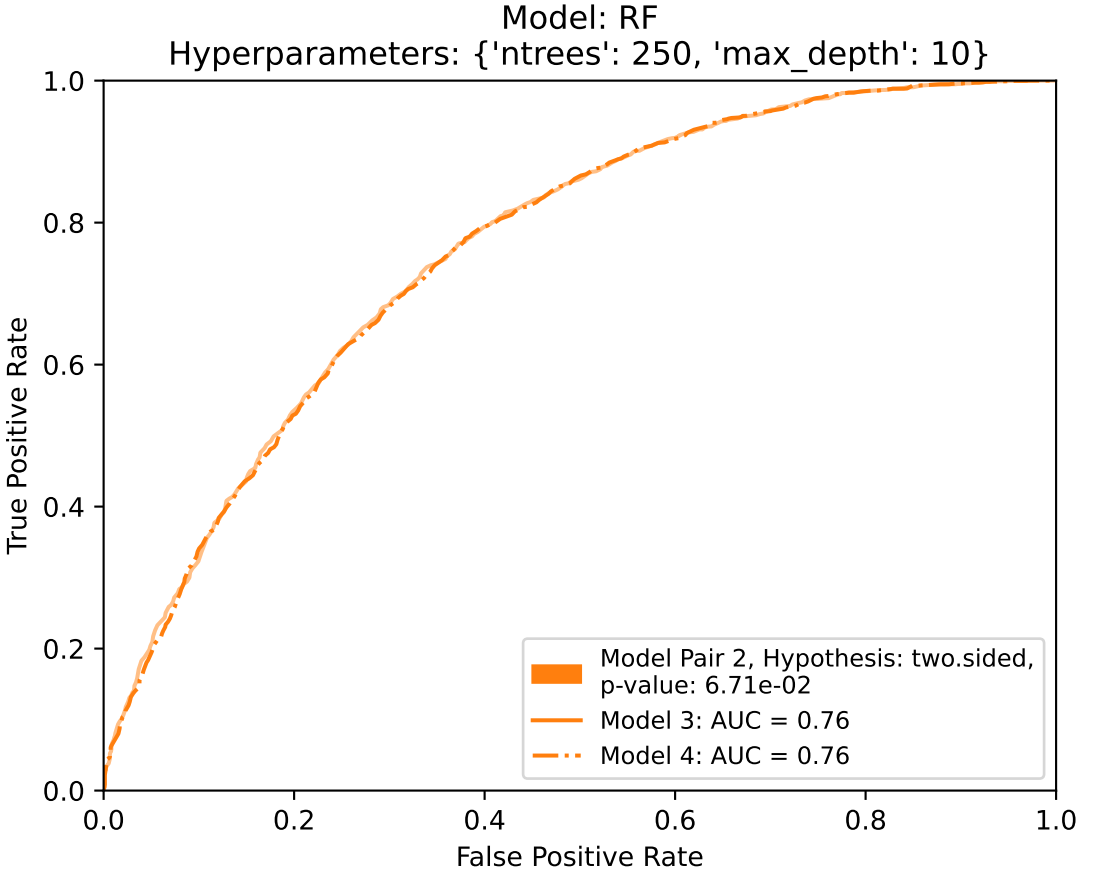

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 7.23e-51
Model 1: AUC = 0.78
Model 2: AUC = 0.88

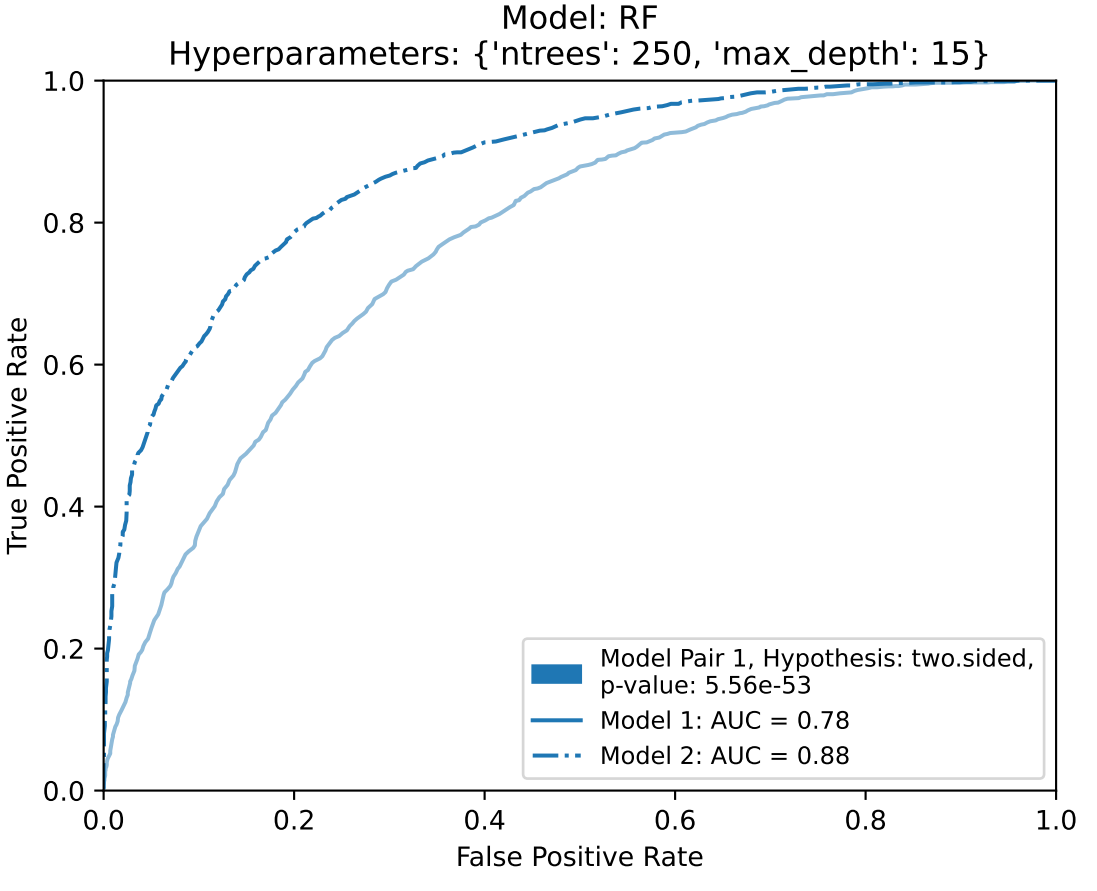

Model: RF
Hyperparameters: {'ntrees': 200, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 3.09e-02
Model 3: AUC = 0.78
Model 4: AUC = 0.78

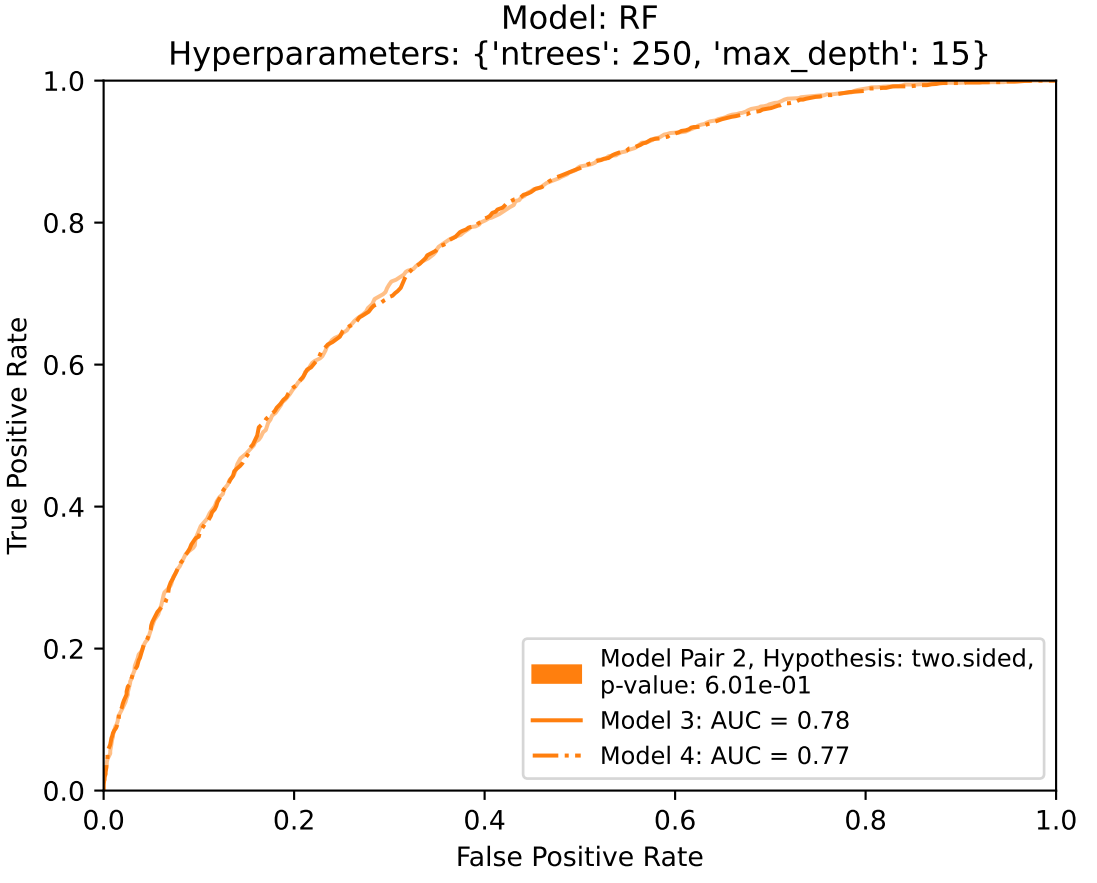

Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 4.47e-47
Model 1: AUC = 0.74
Model 2: AUC = 0.85

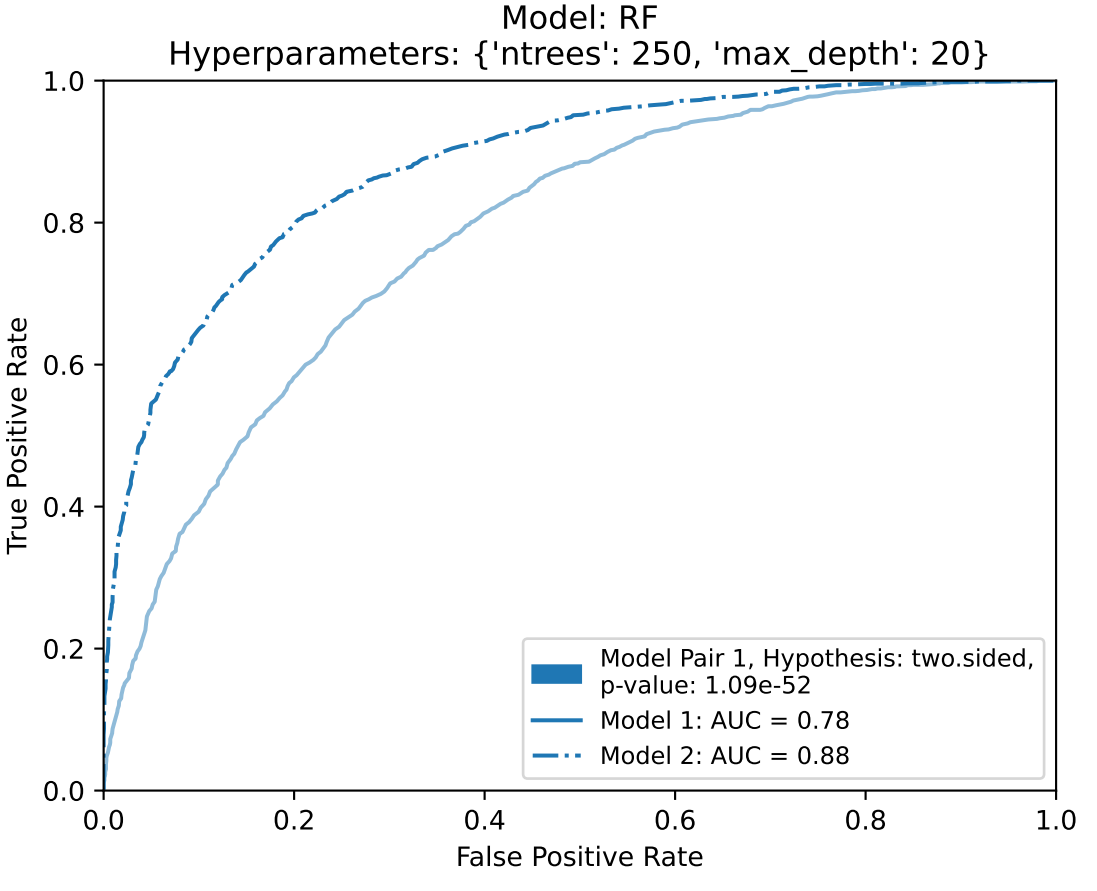

Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 5}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 2.94e-01
Model 3: AUC = 0.74
Model 4: AUC = 0.74

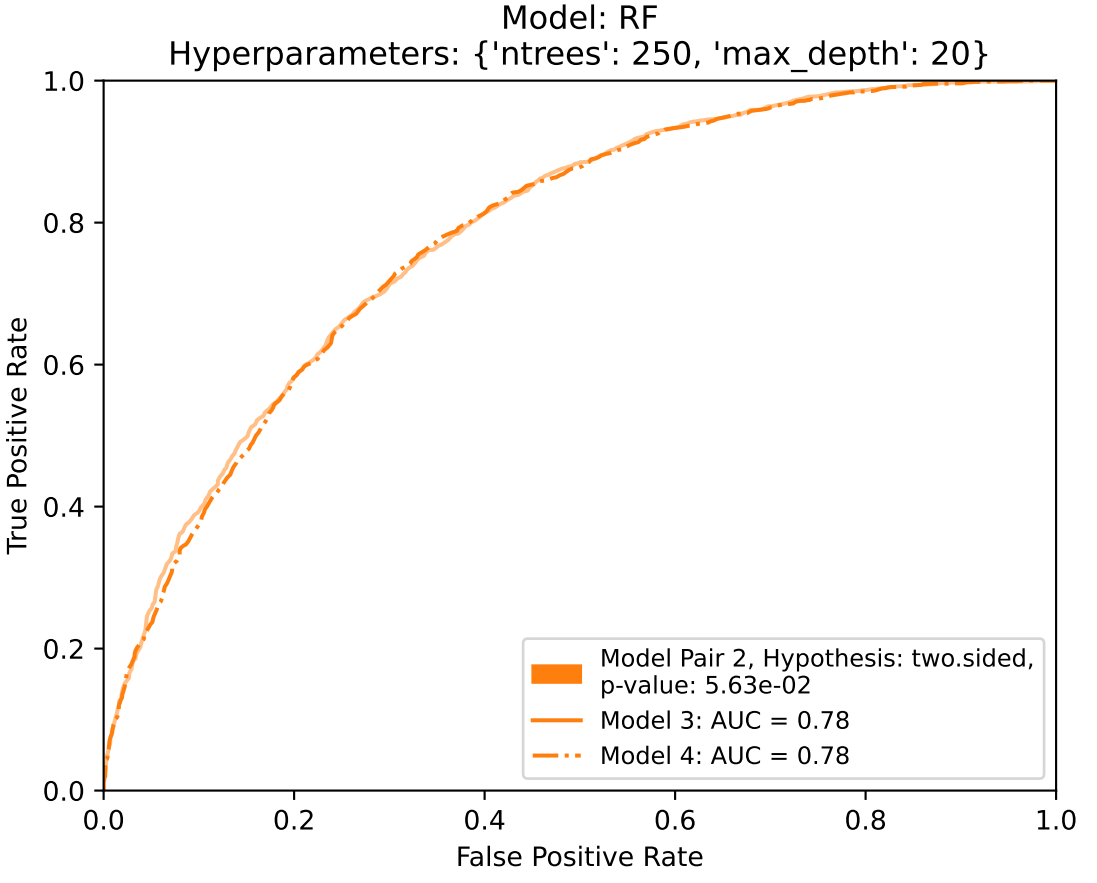

Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 2.01e-52
Model 1: AUC = 0.76
Model 2: AUC = 0.87


Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 10}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 6.71e-02
Model 3: AUC = 0.76
Model 4: AUC = 0.76


Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 5.56e-53
Model 1: AUC = 0.78
Model 2: AUC = 0.88


Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 15}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 6.01e-01
Model 3: AUC = 0.78
Model 4: AUC = 0.77


Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 1, Hypothesis: two.sided,
p-value: 1.09e-52
Model 1: AUC = 0.78
Model 2: AUC = 0.88


Model: RF
Hyperparameters: {'ntrees': 250, 'max_depth': 20}
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
Model Pair 2, Hypothesis: two.sided,
p-value: 5.63e-02
Model 3: AUC = 0.78
Model 4: AUC = 0.78