Supplementary Material for "RTT-based Rouge UAV Detection in Networks for Internet of Vehicles"

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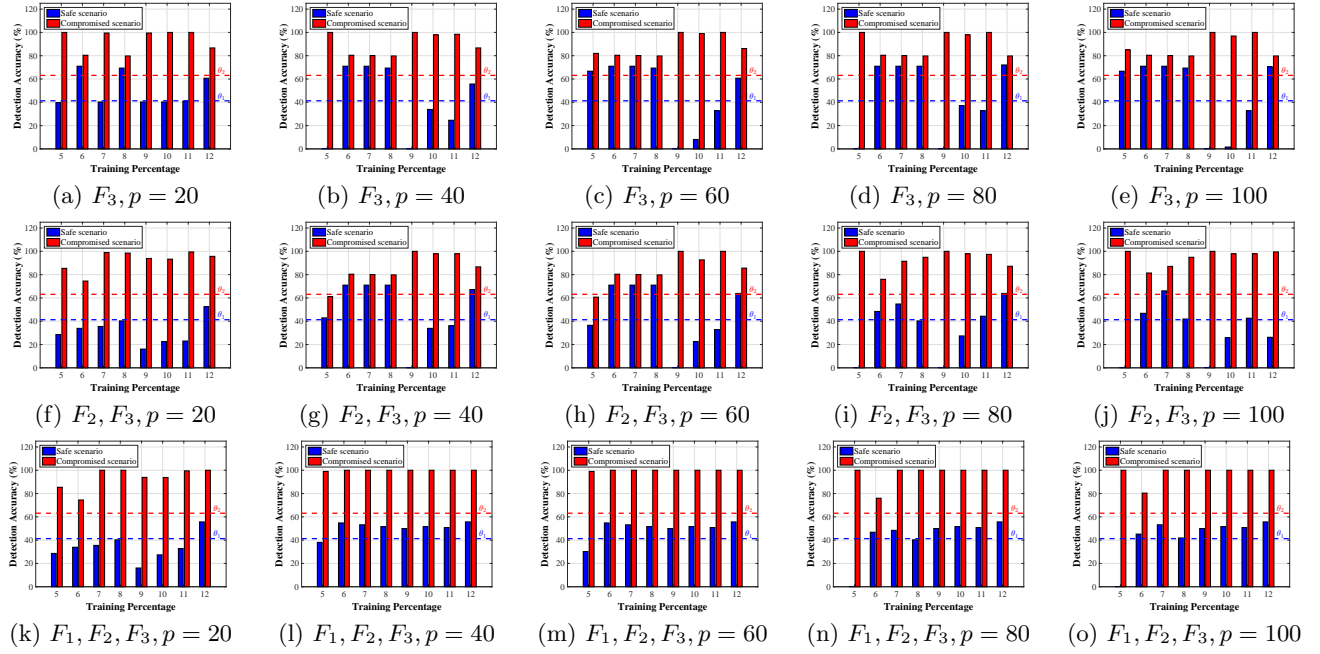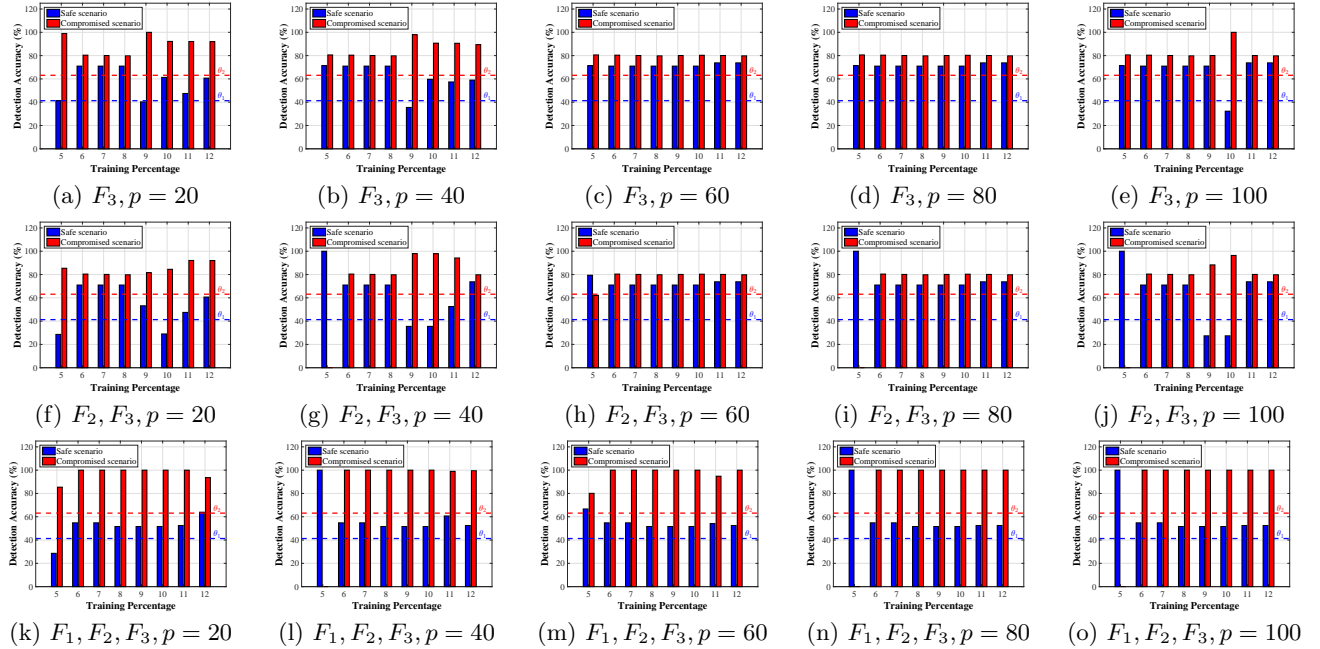
(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$

Figure 1: Classifier: Bagging

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$

Figure 2: Classifier: Iterative Classifier Optimizer

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$

Figure 3: Classifier: J48

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
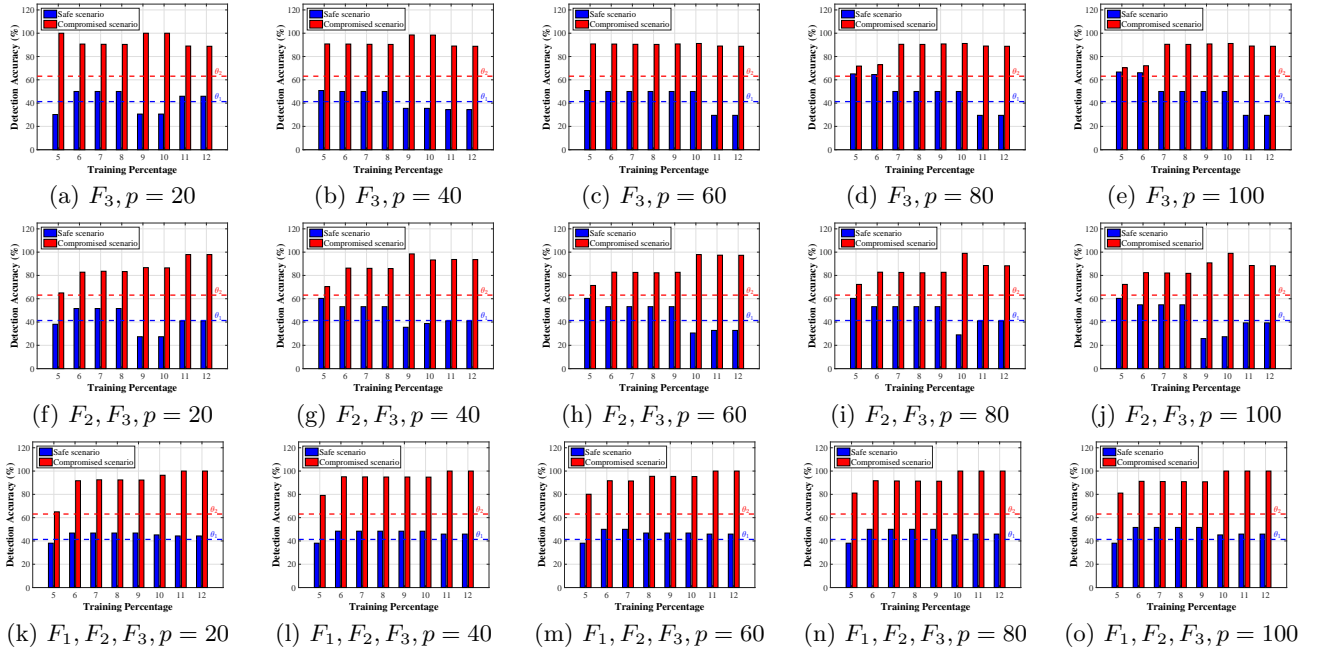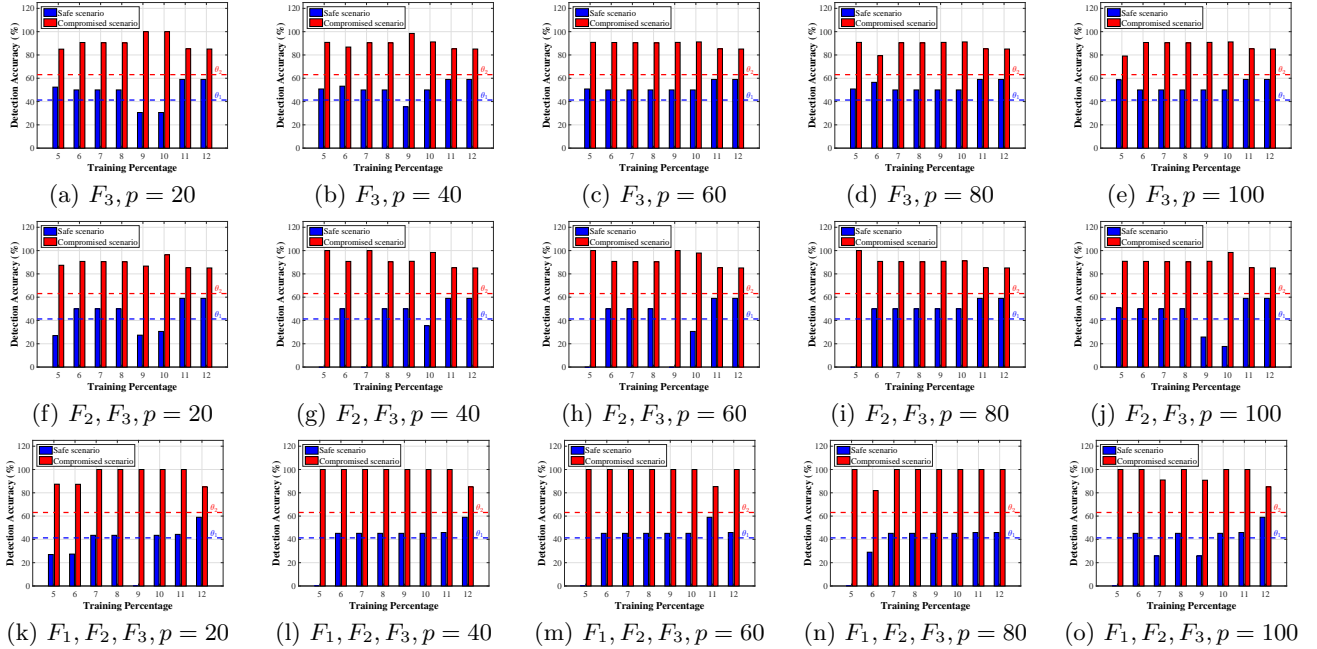
Figure 4: Classifier: JRip

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(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

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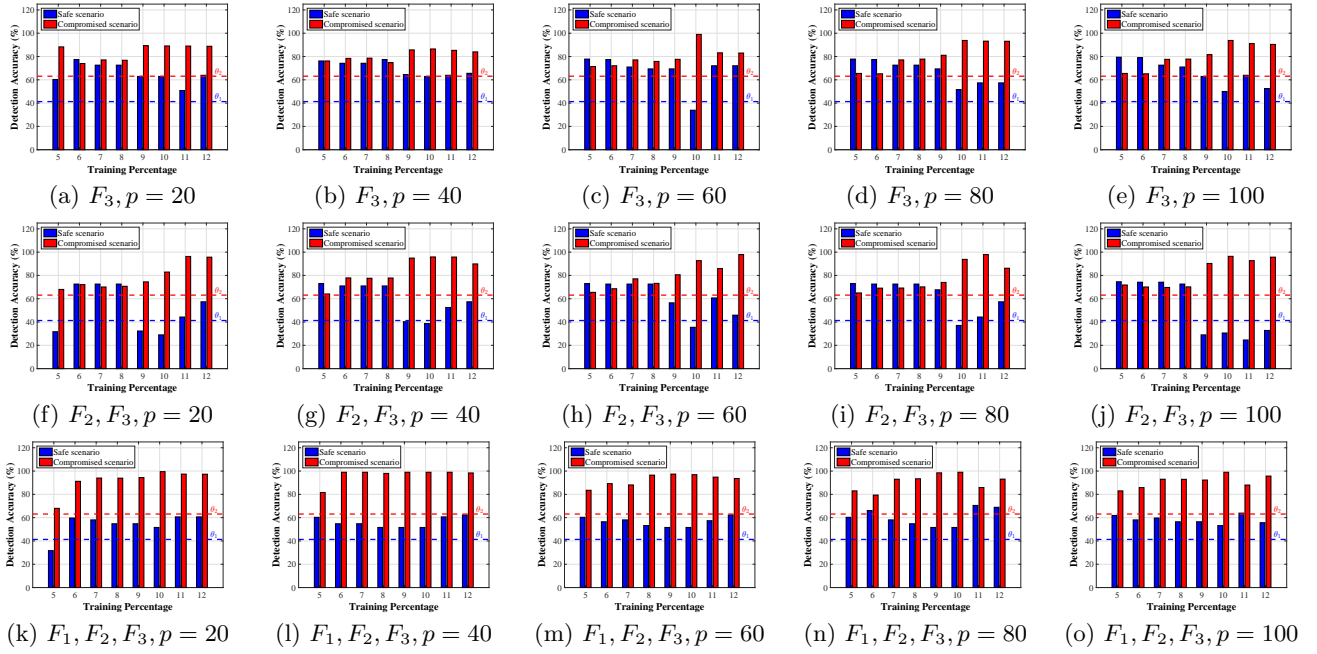
Figure 5: Classifier: LogitBoost

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$

Figure 6: Classifier: LWL

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(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
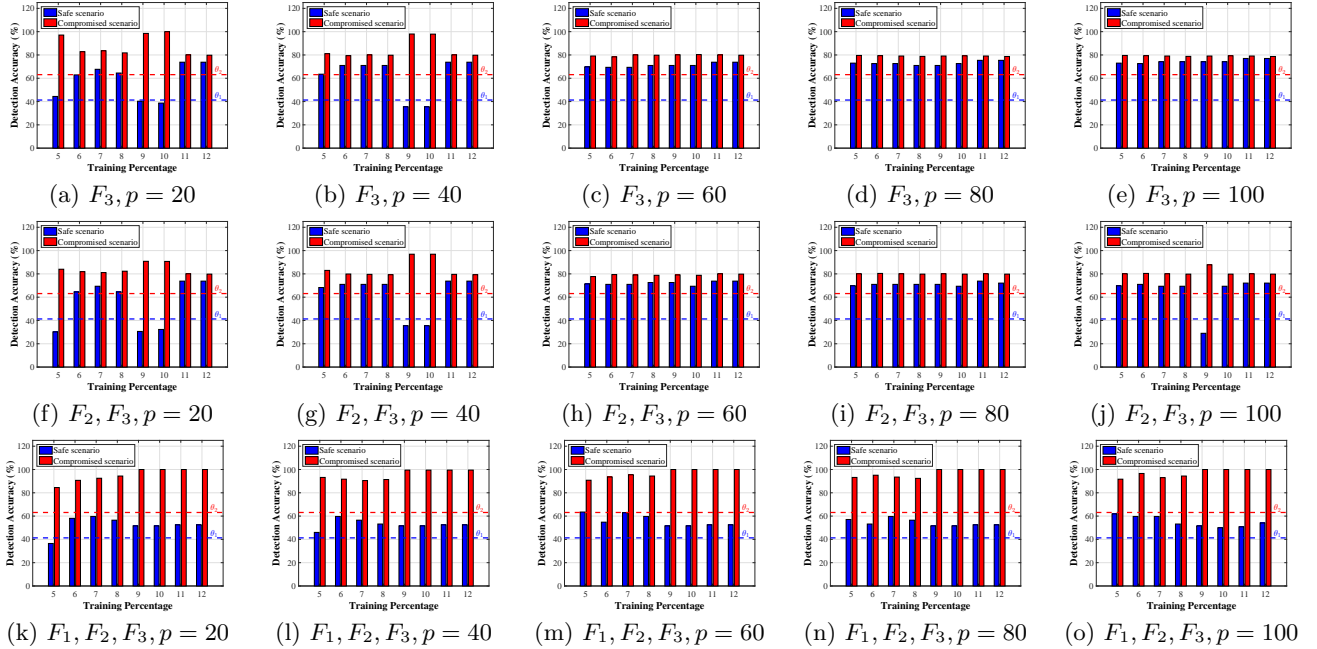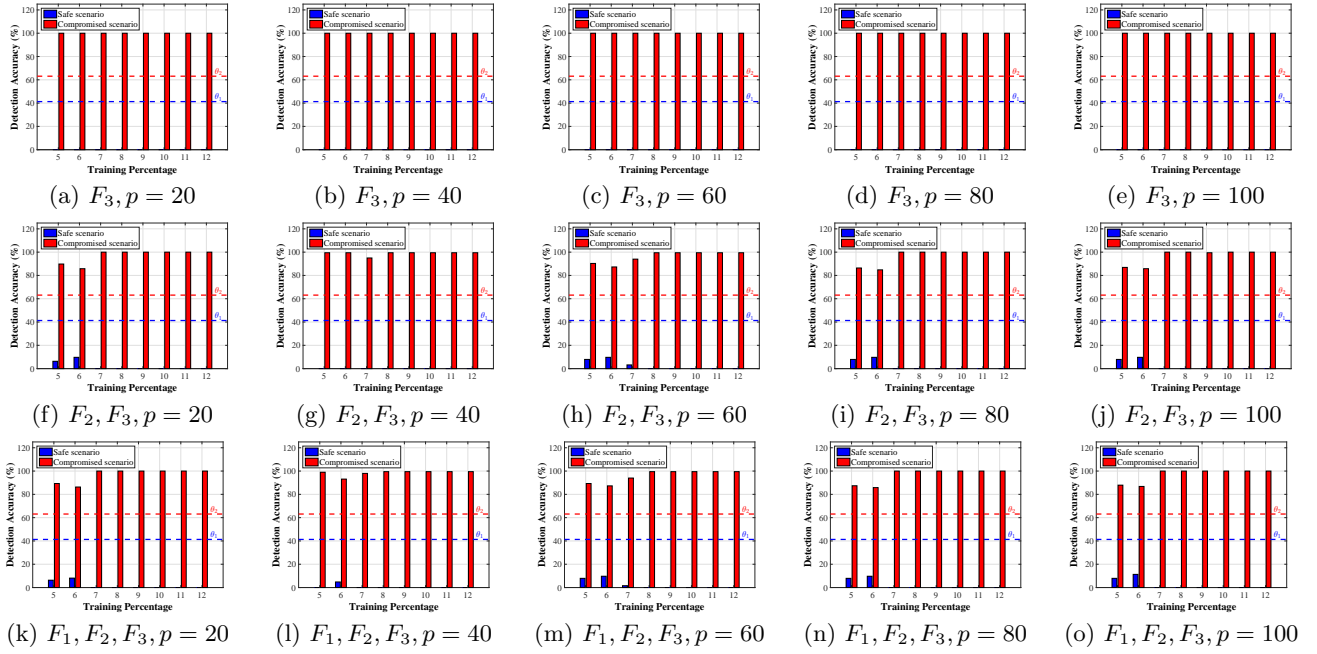
Figure 7: Classifier: MultiLayerPerception

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
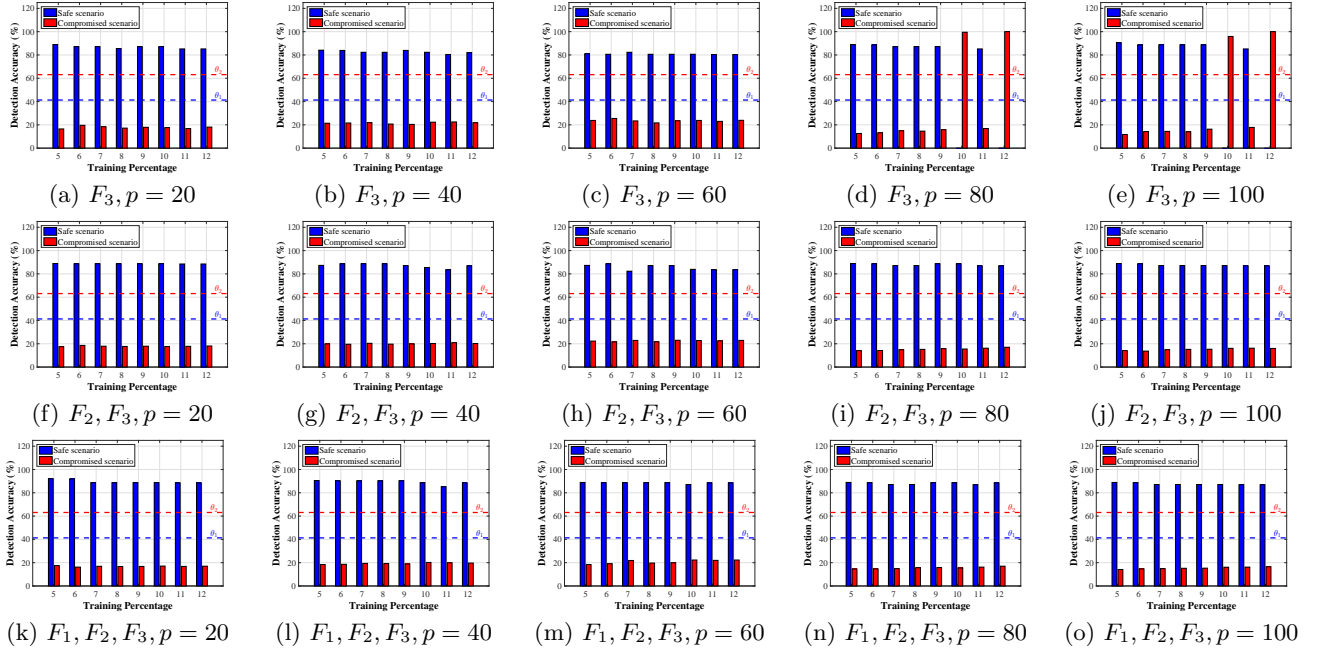
Figure 8: Classifier: Naive Bayes

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(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
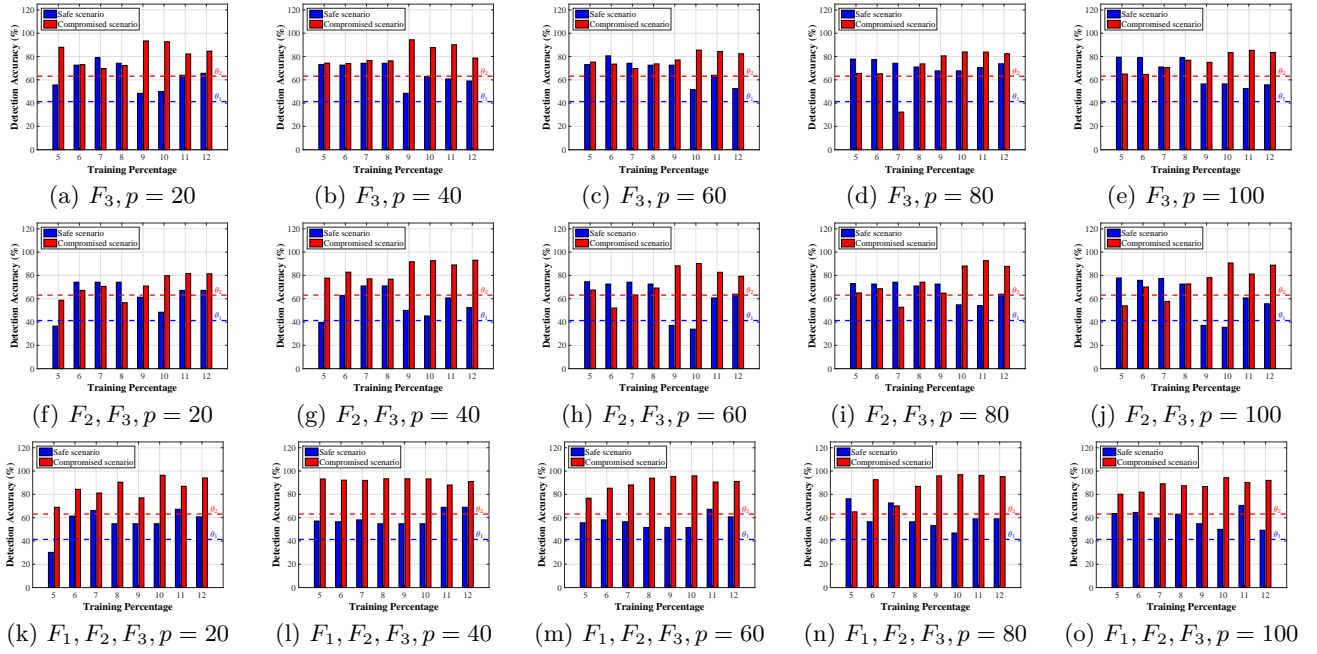
Figure 9: Classifier: RandomCommittee

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
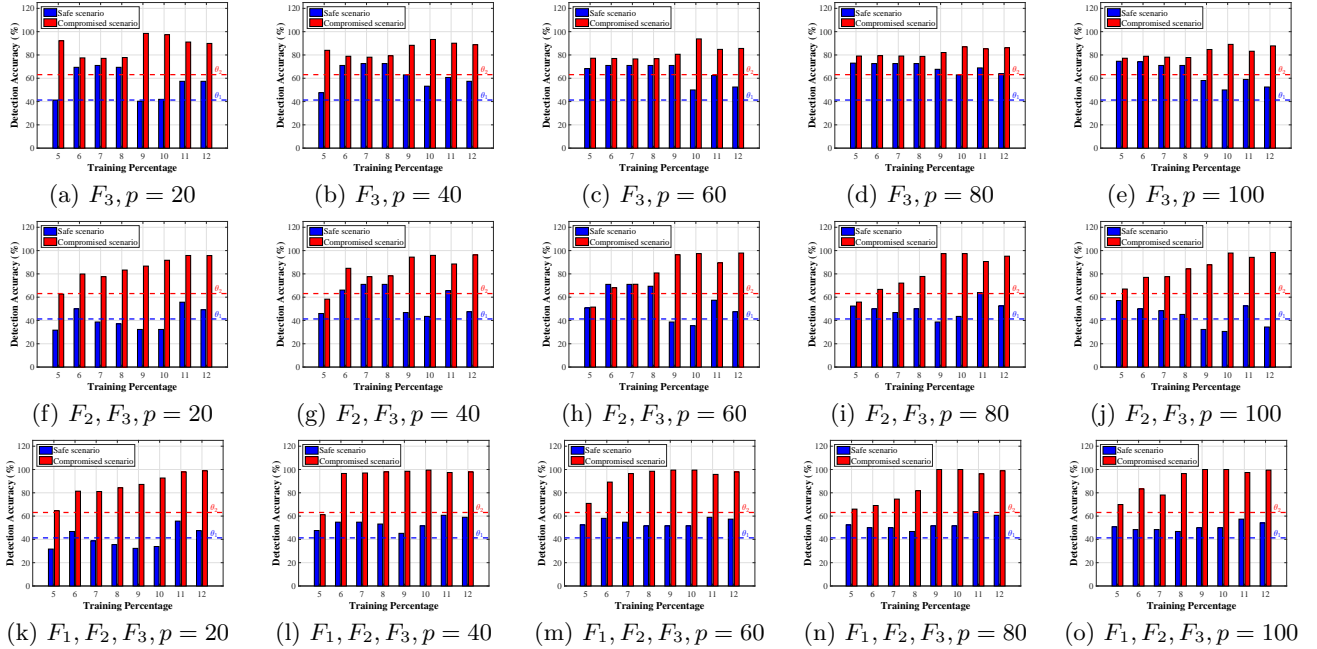
Figure 10: Classifier: Random Forest

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$
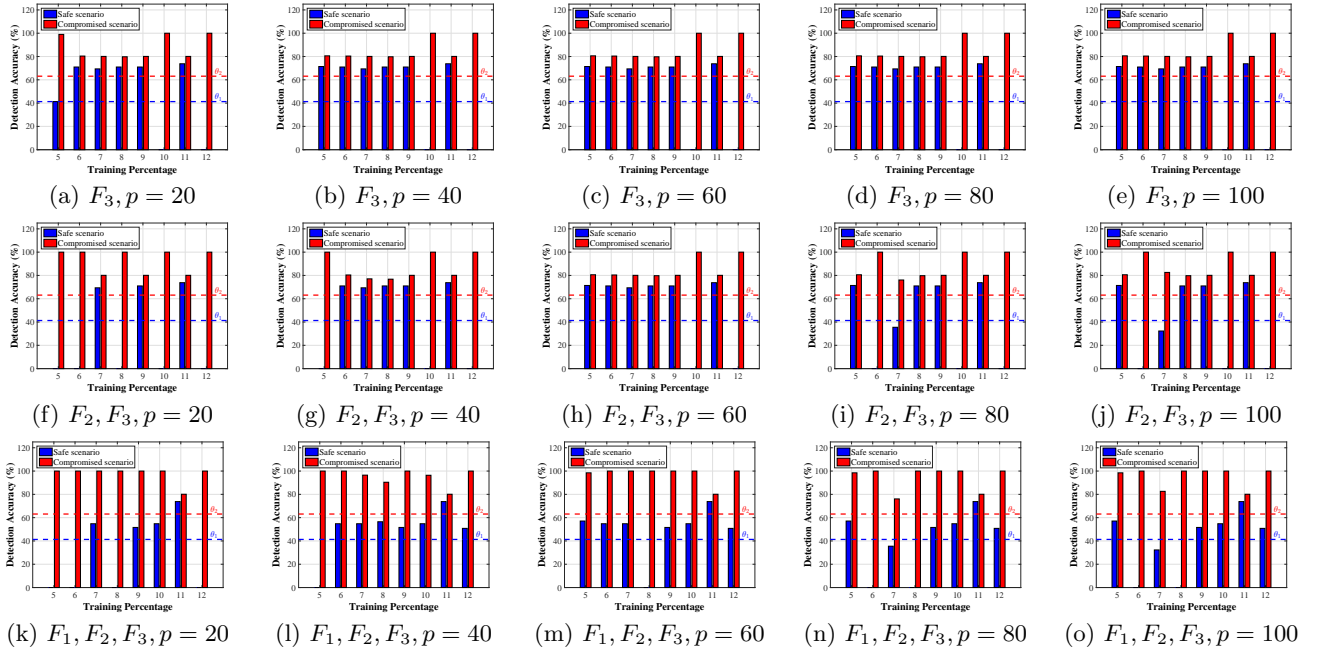
Figure 11: Classifier: REPTree

(a) $F_3, p = 20$ (b) $F_3, p = 40$ (c) $F_3, p = 60$ (d) $F_3, p = 80$ (e) $F_3, p = 100$

(f) $F_2, F_3, p = 20$ (g) $F_2, F_3, p = 40$ (h) $F_2, F_3, p = 60$ (i) $F_2, F_3, p = 80$ (j) $F_2, F_3, p = 100$

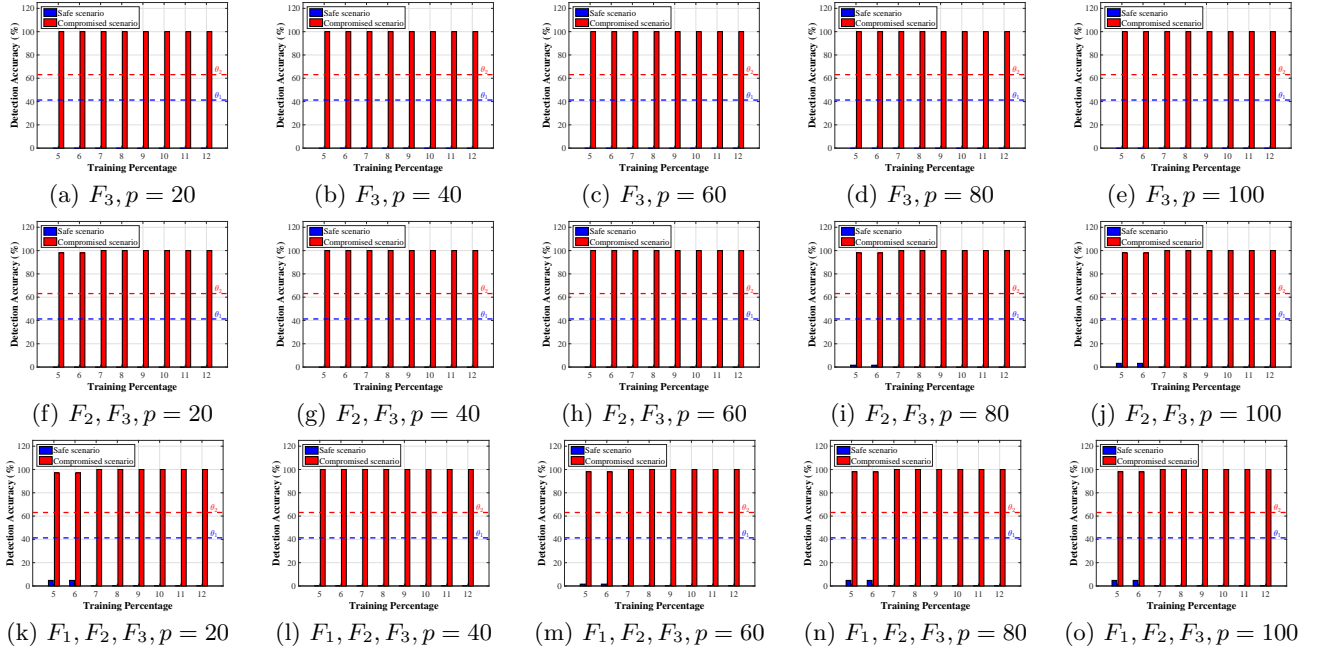(k) $F_1, F_2, F_3, p = 20$ (l) $F_1, F_2, F_3, p = 40$ (m) $F_1, F_2, F_3, p = 60$ (n) $F_1, F_2, F_3, p = 80$ (o) $F_1, F_2, F_3, p = 100$

Figure 12: Classifier: SMO SVM

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