Supplementary Materials for
Performance Reproducibility Index for Classification

Mohammadmahdi R. Yousefi\textsuperscript{1} and Edward R. Dougherty\textsuperscript{1,2}

\textsuperscript{1}Department of Electrical and Computer Engineering, Texas A&M University, College Station, TX, 77843, USA.

\textsuperscript{2}Computational Biology Division, Translational Genomics Research Institute, Phoenix, AZ, 85004, USA.

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- **Model**: Equal Covariance Matrices with Correlated Features

- **Results for**: Reproducibility Index

- **Sample Size**: $n = 30$

- **Multiple Classifier Rule Models**: $m = 3$
Feature size $d = 1$

Figure 1: (a) $\rho = 0.0005$; (b) $\rho = 0.01$; (c) $\rho = 0.05$; (d) $\rho = 0.1$. 
Feature size $d = 2$

Figure 2: (a) $\rho = 0.0005$; (b) $\rho = 0.01$; (c) $\rho = 0.05$; (d) $\rho = 0.1$. 
Feature size $d = 5$

Figure 3: (a) $\rho = 0.0005$; (b) $\rho = 0.01$; (c) $\rho = 0.05$; (d) $\rho = 0.1$. 
**Feature size $d = 10$**

![Graphs showing different values of $\rho$](image)

Figure 4:  
(a) $\rho = 0.0005$;  
(b) $\rho = 0.01$;  
(c) $\rho = 0.05$;  
(d) $\rho = 0.1$. 
Feature size \( d = 15 \)

Figure 5: (a) \( \rho = 0.0005 \); (b) \( \rho = 0.01 \); (c) \( \rho = 0.05 \); (d) \( \rho = 0.1 \).