Predicting Ovarian Cancer Survival Times: Feature Selection and Performance of Parametric, Semi-Parametric, and Random Survival Forest Methods: Supplementary Plots

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1 Performance of Additional Methods Across Inclusion Thresholds

Figure S1: Prediction error \((1 - C)\) of the Weibull model with backwards elimination by varying degrees of strictness when selecting features.

\[\text{Threshold} = \begin{cases} 
\text{None} & \text{None} \\
\text{Low} & \text{Low} \\
\text{Med} & \text{Med} \\
\text{High} & \text{High} \\
\text{Super} & \text{Super} 
\end{cases}\]
Figure S2: Prediction error \((1 - C)\) of the Cox model with group LASSO by varying degrees of strictness when selecting features

Figure S3: Prediction error (AIBS) of the Cox model with group LASSO by varying degrees of strictness when selecting features
Figure S4: Prediction error ($1 - C$) of the RSF with the Pang algorithm by varying degrees of strictness when selecting features

Figure S5: Prediction error (AIBS) of the RSF with the Pang algorithm by varying degrees of strictness when selecting features
Figure S6: Prediction error \((1 - C)\) of the RSF with the Pang-R algorithm by varying degrees of strictness when selecting feature.

Figure S7: Prediction error (AIBS) of the RSF with the Pang-R algorithm by varying degrees of strictness when selecting feature.
Figure S8: Prediction error ($1 - C$) of the RSF with the Pang-K algorithm by varying degrees of strictness when selecting feature.

Figure S9: Prediction error (AIBS) of the RSF with the Pang-K algorithm by varying degrees of strictness when selecting feature.
Figure S10: Prediction error ($1 - C$) of the RSF with the Pang-K-R algorithm by varying degrees of strictness when selecting feature

Figure S11: Prediction error (AIBS) of the RSF with the Pang-K-R algorithm by varying degrees of strictness when selecting feature
2 Mean Prediction Errors

Figure S12: Mean prediction error \((1 - C)\) of all methods by varying degrees of strictness

Figure S13: Mean prediction error (AIBS) of all methods by varying degrees of strictness
3 Comparison of Iterative RSF Feature Selection

Figure S14: Comparison of prediction error \((1 - C)\) of the RSF with Pang vs. Pang-R algorithms by varying degrees of strictness when selecting features.

Figure S15: Comparison of prediction error (AIBS) of the RSF with Pang vs. Pang-R algorithms by varying degrees of strictness when selecting features.
Figure S16: Comparison of prediction error ($1 - C$) of the RSF with Pang-K vs. Pang-K-R algorithms by varying degrees of strictness when selecting features.

Figure S17: Comparison of prediction error (AIBS) of the RSF with Pang vs. Pang-R algorithms by varying degrees of strictness when selecting features.