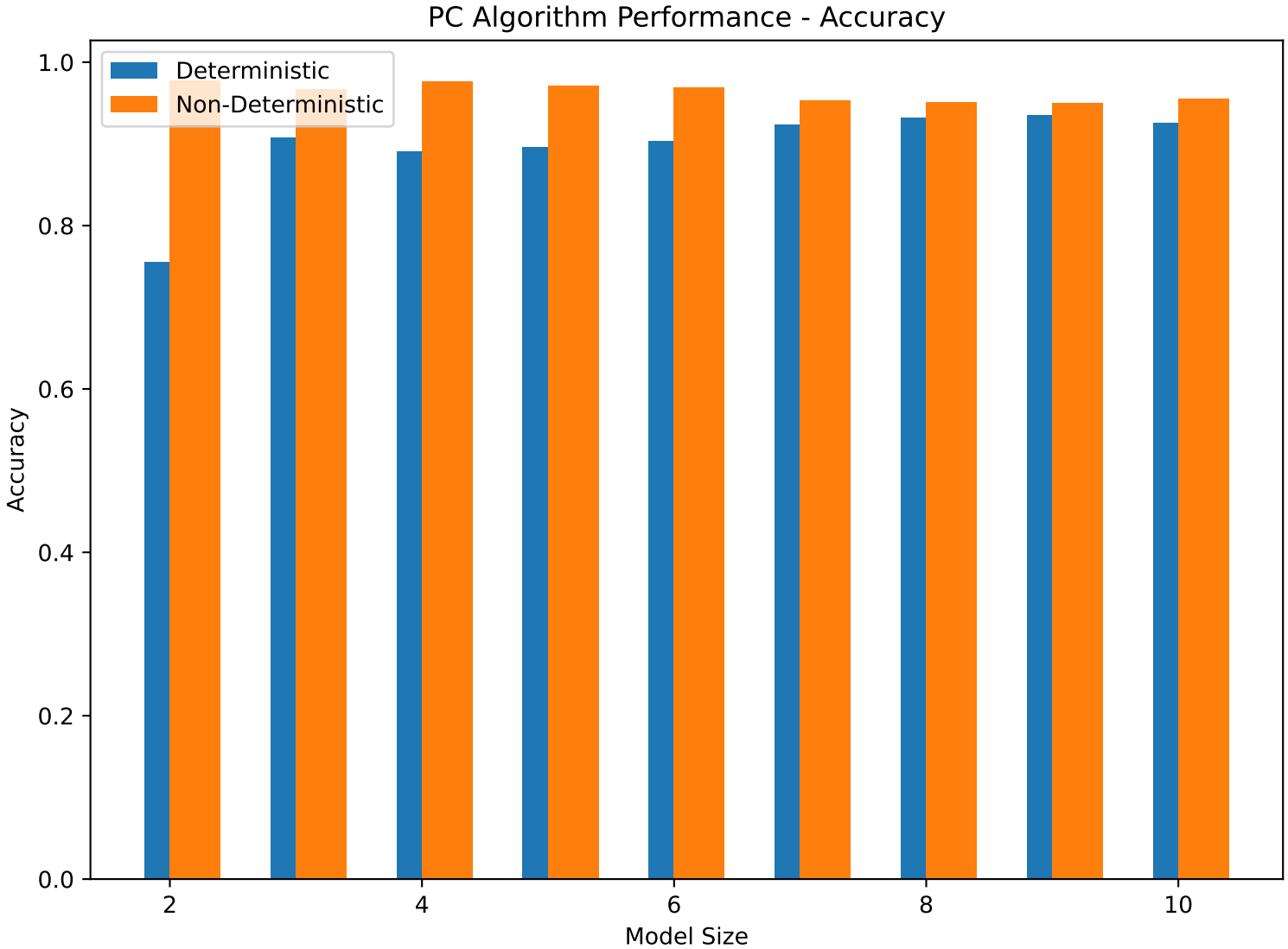
PC Algorithm Performance - Accuracy
Deterministic
Non-Deterministic
Accuracy
1.0
0.8
0.6
0.4
0.2
0.0
2
4
6
8
10
Model Size

Model Size	Deterministic	Non-Deterministic
2	0.756	0.978
3	0.907	0.967
4	0.891	0.976
5	0.896	0.971
6	0.903	0.969
7	0.924	0.953
8	0.931	0.950
9	0.935	0.950
10	0.925	0.955

This PDF compares the performance of the skeleton search step of the PC algorithm on discrete models with at least one deterministic variables vs. discrete models without deterministic variables. The bar chart shows the average accuracy across different model sizes (number of endogenous variables), aggregated over 90 runs for each model size. In particular, 45 runs are made for models with deterministic endogenous variables, and 45 runs are made for models that strictly have no deterministic endogenous variables.

Average accuracy acrosss all 405 deterministic models: 0.896
Average accuracy across all 405 non-deterministic models: 0.963