Simulation Results

Name: Ming-Ju Chuang

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## \cmidrule(l{3pt}r{3pt}){2-6} \cmidrule(l{3pt}r{3pt}){7-11}
##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.009 & 0.157 & 0.160 & 0.025 & 0.953 & 0.001 & 0.125 & 0.128 & 0.016 & 0.9(
## $\hat{\mu}_{100}$ & -0.006 & 0.131 & 0.155 & 0.017 & 0.973 & 0.000 & 0.109 & 0.116 & 0.012 & 0.968\\
## $\hat{\mu}_{010}$ & -0.104 & 0.168 & 0.189 & 0.039 & 0.932 & -0.055 & 0.130 & 0.136 & 0.020 & 0.931\
## $\hat{\mu}_{001}$ & -0.109 & 0.170 & 0.189 & 0.041 & 0.928 & -0.058 & 0.131 & 0.137 & 0.021 & 0.932\
## $\hat{\mu}_{110}$ & -0.005 & 0.131 & 0.163 & 0.017 & 0.974 & -0.001 & 0.109 & 0.127 & 0.012 & 0.969\
## $\hat{\mu}_{101}$ & -0.006 & 0.131 & 0.155 & 0.017 & 0.973 & -0.001 & 0.109 & 0.116 & 0.012 & 0.969\
## $\hat{\mu}_{011}$ & -0.104 & 0.168 & 0.189 & 0.039 & 0.934 & -0.054 & 0.131 & 0.137 & 0.020 & 0.931\
## $\hat{\mu}_{111}$ & -0.010 & 0.134 & 0.194 & 0.018 & 0.976 & -0.005 & 0.110 & 0.132 & 0.012 & 0.972\
## $\hat{\mu}_\text{IPW}$ & 0.001 & 0.089 & 0.088 & 0.008 & 0.957 & 0.000 & 0.072 & 0.070 & 0.005 & 0.9:
## $\hat{\mu}_{100}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.000 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{010}$ & -0.092 & 0.091 & 0.094 & 0.017 & 0.850 & -0.054 & 0.074 & 0.074 & 0.008 & 0.883\
## $\hat{\mu}_{001}$ & -0.097 & 0.092 & 0.095 & 0.018 & 0.844 & -0.057 & 0.074 & 0.074 & 0.009 & 0.877\
## $\hat{\mu}_{110}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.001 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{101}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.000 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{011}$ & -0.092 & 0.091 & 0.095 & 0.017 & 0.850 & -0.054 & 0.074 & 0.074 & 0.008 & 0.883\
## $\hat{\mu}_{111}$ & 0.002 & 0.071 & 0.077 & 0.005 & 0.949 & -0.001 & 0.062 & 0.068 & 0.004 & 0.961\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & -0.002 & 0.055 & 0.054 & 0.003 & 0.950 & 0.000 & 0.041 & 0.043 & 0.002 & 0.9
## $\hat{\mu}_{100}$ & -0.003 & 0.067 & 0.077 & 0.005 & 0.945 & -0.004 & 0.051 & 0.053 & 0.003 & 0.951\\
## $\hat{\mu}_{010}$ & 0.012 & 0.075 & 0.081 & 0.006 & 0.932 & 0.006 & 0.055 & 0.057 & 0.003 & 0.923\\
## $\hat{\mu}_{001}$ & 0.017 & 0.075 & 0.079 & 0.006 & 0.935 & 0.008 & 0.054 & 0.056 & 0.003 & 0.926\\
## $\hat{\mu}_{110}$ & -0.003 & 0.067 & 0.077 & 0.004 & 0.946 & -0.004 & 0.051 & 0.054 & 0.003 & 0.955\\
## $\hat{\mu}_{101}$ & -0.004 & 0.067 & 0.077 & 0.004 & 0.948 & -0.004 & 0.050 & 0.053 & 0.003 & 0.953\\
## $\hat{\mu}_{011}$ & 0.011 & 0.074 & 0.081 & 0.006 & 0.936 & 0.005 & 0.054 & 0.057 & 0.003 & 0.928\\
## $\hat{\mu}_{111}$ & -0.003 & 0.066 & 0.077 & 0.004 & 0.946 & -0.004 & 0.051 & 0.054 & 0.003 & 0.956\\
## $\hat{\mu}_\text{IPW}$ & -0.001 & 0.029 & 0.030 & 0.001 & 0.959 & 0.000 & 0.023 & 0.023 & 0.001 & 0.9
## $\hat{\mu}_{100}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{010}$ & 0.015 & 0.040 & 0.042 & 0.002 & 0.946 & 0.010 & 0.030 & 0.031 & 0.001 & 0.958\\
## $\hat{\mu}_{001}$ & 0.019 & 0.040 & 0.042 & 0.002 & 0.936 & 0.013 & 0.029 & 0.031 & 0.001 & 0.949\\
## $\hat{\mu}_{110}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.964\\
## $\hat{\mu}_{101}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.955 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{011}$ & 0.015 & 0.040 & 0.042 & 0.002 & 0.946 & 0.010 & 0.030 & 0.031 & 0.001 & 0.958\\
## $\hat{\mu}_{111}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
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## $\hat{\mu}_\text{IPW}$ & 0.222 & 0.159 & 0.152 & 0.075 & 0.683 & 0.219 & 0.135 & 0.137 & 0.066 & 0.63
## $\hat{\mu}_{100}$ & 0.001 & 0.136 & 0.145 & 0.018 & 0.953 & -0.003 & 0.112 & 0.114 & 0.013 & 0.963\\
## $\hat{\mu}_{010}$ & -0.094 & 0.180 & 0.218 & 0.041 & 0.953 & -0.062 & 0.133 & 0.135 & 0.022 & 0.933\
## $\hat{\mu}_{001}$ & -0.089 & 0.182 & 0.216 & 0.041 & 0.961 & -0.066 & 0.134 & 0.136 & 0.022 & 0.935\
## $\hat{\mu}_{110}$ & 0.001 & 0.136 & 0.146 & 0.018 & 0.955 & -0.003 & 0.113 & 0.115 & 0.013 & 0.964\\
## $\hat{\mu}_{101}$ & 0.001 & 0.136 & 0.145 & 0.018 & 0.953 & -0.003 & 0.112 & 0.114 & 0.013 & 0.963\\
## $\hat{\mu}_{011}$ & -0.092 & 0.177 & 0.221 & 0.040 & 0.952 & -0.062 & 0.133 & 0.135 & 0.021 & 0.935\
## $\hat{\mu}_{111}$ & -0.003 & 0.138 & 0.183 & 0.019 & 0.962 & -0.007 & 0.114 & 0.130 & 0.013 & 0.970\
## $\hat{\mu}_\text{IPW}$ & 0.114 & 0.084 & 0.082 & 0.020 & 0.702 & 0.115 & 0.072 & 0.074 & 0.018 & 0.6(
## $\hat{\mu}_{100}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\
## $\hat{\mu}_{010}$ & -0.099 & 0.093 & 0.096 & 0.018 & 0.848 & -0.061 & 0.073 & 0.074 & 0.009 & 0.863\
## $\hat{\mu}_{001}$ & -0.094 & 0.093 & 0.098 & 0.017 & 0.864 & -0.064 & 0.074 & 0.074 & 0.010 & 0.854\
## $\hat{\mu}_{110}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\
## $\hat{\mu}_{101}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\
## $\hat{\mu}_{011}$ & -0.099 & 0.092 & 0.097 & 0.018 & 0.848 & -0.061 & 0.074 & 0.074 & 0.009 & 0.864\
## $\hat{\mu}_{111}$ & -0.002 & 0.071 & 0.075 & 0.005 & 0.947 & -0.003 & 0.062 & 0.067 & 0.004 & 0.956\\
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## \cmidrule(l{3pt}r{3pt}){2-6} \cmidrule(l{3pt}r{3pt}){7-11}
##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.035 & 0.057 & 0.058 & 0.004 & 0.910 & 0.037 & 0.039 & 0.039 & 0.003 & 0.83
## $\hat{\mu}_{100}$ & -0.004 & 0.070 & 0.083 & 0.005 & 0.960 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
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## $\hat{\mu}_{010}$ & 0.011 & 0.077 & 0.085 & 0.006 & 0.937 & 0.006 & 0.053 & 0.055 & 0.003 & 0.939\\
## $\hat{\mu}_{001}$ & 0.016 & 0.076 & 0.082 & 0.006 & 0.943 & 0.008 & 0.052 & 0.054 & 0.003 & 0.934\\
## $\hat{\mu}_{110}$ & -0.004 & 0.069 & 0.088 & 0.005 & 0.965 & -0.004 & 0.049 & 0.069 & 0.002 & 0.955\\
## $\hat{\mu}_{101}$ & -0.005 & 0.070 & 0.081 & 0.005 & 0.959 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{011}$ & 0.010 & 0.076 & 0.084 & 0.006 & 0.944 & 0.006 & 0.053 & 0.055 & 0.003 & 0.941\\
## $\hat{\mu}_{111}$ & -0.005 & 0.069 & 0.087 & 0.005 & 0.963 & -0.004 & 0.049 & 0.084 & 0.002 & 0.958\\
## $\hat{\mu}_\text{IPW}$ & 0.021 & 0.032 & 0.032 & 0.001 & 0.906 & 0.020 & 0.022 & 0.021 & 0.001 & 0.84
## $\hat{\mu}_{100}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{010}$ & 0.016 & 0.043 & 0.044 & 0.002 & 0.942 & 0.009 & 0.030 & 0.030 & 0.001 & 0.934\\
## $\hat{\mu}_{001}$ & 0.021 & 0.042 & 0.044 & 0.002 & 0.931 & 0.012 & 0.030 & 0.030 & 0.001 & 0.919\\
## $\hat{\mu}_{110}$ & 0.000 & 0.038 & 0.040 & 0.001 & 0.962 & -0.001 & 0.027 & 0.028 & 0.001 & 0.961\\
## $\hat{\mu}_{101}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{011}$ & 0.016 & 0.043 & 0.044 & 0.002 & 0.938 & 0.009 & 0.030 & 0.030 & 0.001 & 0.934\\
## $\hat{\mu}_{111}$ & 0.000 & 0.038 & 0.040 & 0.001 & 0.962 & -0.001 & 0.027 & 0.028 & 0.001 & 0.961\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.009 & 0.157 & 0.160 & 0.025 & 0.953 & 0.001 & 0.125 & 0.128 & 0.016 & 0.9(
## $\hat{\mu}_{100}$ & -0.006 & 0.131 & 0.155 & 0.017 & 0.973 & 0.000 & 0.109 & 0.116 & 0.012 & 0.968\\
## $\hat{\mu}_{010}$ & -0.010 & 0.131 & 0.152 & 0.017 & 0.969 & -0.004 & 0.110 & 0.117 & 0.012 & 0.964\
## $\hat{\mu}_{001}$ & -0.109 & 0.170 & 0.189 & 0.041 & 0.928 & -0.058 & 0.131 & 0.137 & 0.021 & 0.932\
## $\hat{\mu}_{110}$ & -0.004 & 0.131 & 0.206 & 0.017 & 0.973 & -0.001 & 0.109 & 0.120 & 0.012 & 0.969\
## $\hat{\mu}_{101}$ & -0.006 & 0.131 & 0.155 & 0.017 & 0.973 & -0.001 & 0.109 & 0.116 & 0.012 & 0.969\
## $\hat{\mu}_{011}$ & -0.012 & 0.131 & 0.156 & 0.017 & 0.973 & -0.004 & 0.110 & 0.117 & 0.012 & 0.965\
## $\hat{\mu}_{111}$ & -0.005 & 0.131 & 0.171 & 0.017 & 0.975 & -0.001 & 0.109 & 0.137 & 0.012 & 0.969\
## $\hat{\mu}_\text{IPW}$ & 0.001 & 0.089 & 0.088 & 0.008 & 0.957 & 0.000 & 0.072 & 0.070 & 0.005 & 0.9
## $\hat{\mu}_{100}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.000 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{010}$ & -0.004 & 0.071 & 0.075 & 0.005 & 0.953 & -0.003 & 0.062 & 0.063 & 0.004 & 0.955\
## $\hat{\mu}_{001}$ & -0.097 & 0.092 & 0.095 & 0.018 & 0.844 & -0.057 & 0.074 & 0.074 & 0.009 & 0.877\
## $\hat{\mu}_{110}$ & 0.002 & 0.071 & 0.076 & 0.005 & 0.951 & 0.001 & 0.062 & 0.063 & 0.004 & 0.956\\
## $\hat{\mu}_{101}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.000 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{011}$ & -0.004 & 0.071 & 0.075 & 0.005 & 0.954 & -0.002 & 0.062 & 0.063 & 0.004 & 0.955\
## $\hat{\mu}_{111}$ & 0.002 & 0.071 & 0.076 & 0.005 & 0.951 & 0.001 & 0.062 & 0.069 & 0.004 & 0.956\\
## \bottomrule
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & -0.002 & 0.055 & 0.054 & 0.003 & 0.950 & 0.000 & 0.041 & 0.043 & 0.002 & 0.9
## $\hat{\mu}_{100}$ & -0.003 & 0.067 & 0.077 & 0.005 & 0.945 & -0.004 & 0.051 & 0.053 & 0.003 & 0.951\\
## $\hat{\mu}_{010}$ & 0.002 & 0.067 & 0.073 & 0.005 & 0.949 & -0.001 & 0.050 & 0.052 & 0.003 & 0.949\\
## $\hat{\mu}_{001}$ & 0.017 & 0.075 & 0.079 & 0.006 & 0.935 & 0.008 & 0.054 & 0.056 & 0.003 & 0.926\\
## $\hat{\mu}_{110}$ & -0.003 & 0.067 & 0.077 & 0.005 & 0.947 & -0.004 & 0.050 & 0.053 & 0.003 & 0.958\
## $\hat{\mu}_{101}$ & -0.004 & 0.067 & 0.077 & 0.004 & 0.948 & -0.004 & 0.050 & 0.053 & 0.003 & 0.953\
## $\hat{\mu}_{011}$ & 0.003 & 0.068 & 0.075 & 0.005 & 0.951 & -0.001 & 0.050 & 0.053 & 0.003 & 0.950\\
## $\hat{\mu}_{111}$ & -0.004 & 0.067 & 0.077 & 0.004 & 0.948 & -0.004 & 0.050 & 0.053 & 0.003 & 0.959\
## $\hat{\mu}_\text{IPW}$ & -0.001 & 0.029 & 0.030 & 0.001 & 0.959 & 0.000 & 0.023 & 0.023 & 0.001 & 0.9
## $\hat{\mu}_{100}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{010}$ & 0.004 & 0.036 & 0.037 & 0.001 & 0.951 & 0.003 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{001}$ & 0.019 & 0.040 & 0.042 & 0.002 & 0.936 & 0.013 & 0.029 & 0.031 & 0.001 & 0.949\\
## $\hat{\mu}_{110}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{101}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.955 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{011}$ & 0.004 & 0.036 & 0.037 & 0.001 & 0.952 & 0.003 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{111}$ & 0.000 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.966\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.222 & 0.159 & 0.152 & 0.075 & 0.683 & 0.219 & 0.135 & 0.137 & 0.066 & 0.63
## $\hat{\mu}_{100}$ & 0.001 & 0.136 & 0.145 & 0.018 & 0.953 & -0.003 & 0.112 & 0.114 & 0.013 & 0.963\\
## $\hat{\mu}_{010}$ & 0.007 & 0.137 & 0.145 & 0.019 & 0.949 & -0.006 & 0.113 & 0.115 & 0.013 & 0.960\\
## $\hat{\mu}_{001}$ & -0.089 & 0.182 & 0.216 & 0.041 & 0.961 & -0.066 & 0.134 & 0.136 & 0.022 & 0.935\
## $\hat{\mu}_{110}$ & 0.000 & 0.136 & 0.159 & 0.019 & 0.957 & -0.003 & 0.112 & 0.116 & 0.013 & 0.963\\
## $\hat{\mu}_{101}$ & 0.001 & 0.136 & 0.145 & 0.018 & 0.953 & -0.003 & 0.112 & 0.114 & 0.013 & 0.963\\
## $\hat{\mu}_{011}$ & 0.007 & 0.137 & 0.146 & 0.019 & 0.952 & -0.007 & 0.114 & 0.116 & 0.013 & 0.960\\
## $\hat{\mu}_{111}$ & 0.000 & 0.136 & 0.171 & 0.019 & 0.959 & -0.003 & 0.112 & 0.120 & 0.013 & 0.963\\
## $\hat{\mu}_\text{IPW}$ & 0.114 & 0.084 & 0.082 & 0.020 & 0.702 & 0.115 & 0.072 & 0.074 & 0.018 & 0.66
```

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## $\hat{\mu}_{100}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{010}$ & 0.004 & 0.071 & 0.073 & 0.005 & 0.947 & -0.005 & 0.062 & 0.063 & 0.004 & 0.948\\
## $\hat{\mu}_{001}$ & -0.094 & 0.093 & 0.098 & 0.017 & 0.864 & -0.064 & 0.074 & 0.074 & 0.010 & 0.854\\
## $\hat{\mu}_{110}$ & -0.002 & 0.071 & 0.080 & 0.005 & 0.947 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{101}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{011}$ & 0.004 & 0.071 & 0.073 & 0.005 & 0.947 & -0.006 & 0.062 & 0.063 & 0.004 & 0.948\\
## $\hat{\mu}_{111}$ & -0.002 & 0.071 & 0.076 & 0.005 & 0.947 & -0.002 & 0.062 & 0.070 & 0.004 & 0.950\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.035 & 0.057 & 0.058 & 0.004 & 0.910 & 0.037 & 0.039 & 0.039 & 0.003 & 0.83
## $\hat{\mu}_{100}$ & -0.004 & 0.070 & 0.083 & 0.005 & 0.960 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{010}$ & 0.000 & 0.069 & 0.077 & 0.005 & 0.963 & -0.001 & 0.048 & 0.050 & 0.002 & 0.952\\
## $\hat{\mu}_{001}$ & 0.016 & 0.076 & 0.082 & 0.006 & 0.943 & 0.008 & 0.052 & 0.054 & 0.003 & 0.934\\
## $\hat{\mu}_{110}$ & -0.005 & 0.069 & 0.081 & 0.005 & 0.962 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{101}$ & -0.005 & 0.070 & 0.081 & 0.005 & 0.959 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{011}$ & 0.000 & 0.069 & 0.081 & 0.005 & 0.969 & -0.001 & 0.048 & 0.050 & 0.002 & 0.953\\
## $\hat{\mu}_{111}$ & -0.006 & 0.069 & 0.082 & 0.005 & 0.961 & -0.004 & 0.049 & 0.053 & 0.002 & 0.957\\
## $\hat{\mu}_\text{IPW}$ & 0.021 & 0.032 & 0.032 & 0.001 & 0.906 & 0.020 & 0.022 & 0.021 & 0.001 & 0.84
## $\hat{\mu}_{100}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{010}$ & 0.004 & 0.037 & 0.039 & 0.001 & 0.956 & 0.002 & 0.027 & 0.028 & 0.001 & 0.954\\
## $\hat{\mu}_{001}$ & 0.021 & 0.042 & 0.044 & 0.002 & 0.931 & 0.012 & 0.030 & 0.030 & 0.001 & 0.919\\
## $\hat{\mu}_{110}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{101}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{011}$ & 0.004 & 0.037 & 0.039 & 0.001 & 0.958 & 0.002 & 0.027 & 0.027 & 0.001 & 0.953\\
## $\hat{\mu}_{111}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.961\\
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## \cmidrule(l{3pt}r{3pt}){2-6} \cmidrule(l{3pt}r{3pt}){7-11}
##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.009 & 0.157 & 0.160 & 0.025 & 0.953 & 0.001 & 0.125 & 0.128 & 0.016 & 0.9(
## $\hat{\mu}_{100}$ & -0.006 & 0.131 & 0.155 & 0.017 & 0.973 & 0.000 & 0.109 & 0.116 & 0.012 & 0.968\\
## $\hat{\mu}_{010}$ & -0.104 & 0.168 & 0.189 & 0.039 & 0.932 & -0.055 & 0.130 & 0.136 & 0.020 & 0.931\\
## $\hat{\mu}_{001}$ & -0.010 & 0.131 & 0.152 & 0.017 & 0.969 & -0.004 & 0.110 & 0.117 & 0.012 & 0.964\\
## $\hat{\mu}_{110}$ & -0.005 & 0.131 & 0.163 & 0.017 & 0.974 & -0.001 & 0.109 & 0.127 & 0.012 & 0.969\\
## $\hat{\mu}_{101}$ & -0.004 & 0.131 & 0.206 & 0.017 & 0.973 & -0.001 & 0.109 & 0.120 & 0.012 & 0.969\\
## $\hat{\mu}_{011}$ & -0.020 & 0.134 & 0.172 & 0.018 & 0.978 & -0.008 & 0.112 & 0.121 & 0.013 & 0.963\\
## $\hat{\mu}_{111}$ & -0.005 & 0.131 & 0.208 & 0.017 & 0.974 & -0.001 & 0.109 & 0.209 & 0.012 & 0.970\\
## $\hat{\mu}_\text{IPW}$ & 0.001 & 0.089 & 0.088 & 0.008 & 0.957 & 0.000 & 0.072 & 0.070 & 0.005 & 0.9:
## $\hat{\mu}_{100}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.000 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{010}$ & -0.092 & 0.091 & 0.094 & 0.017 & 0.850 & -0.054 & 0.074 & 0.074 & 0.008 & 0.883\\
## $\hat{\mu}_{001}$ & -0.004 & 0.071 & 0.075 & 0.005 & 0.953 & -0.003 & 0.062 & 0.063 & 0.004 & 0.955\\
## $\hat{\mu}_{110}$ & 0.001 & 0.070 & 0.074 & 0.005 & 0.949 & 0.001 & 0.062 & 0.063 & 0.004 & 0.957\\
## $\hat{\mu}_{101}$ & 0.002 & 0.071 & 0.076 & 0.005 & 0.951 & 0.001 & 0.062 & 0.063 & 0.004 & 0.956\\
## $\hat{\mu}_{011}$ & -0.009 & 0.071 & 0.080 & 0.005 & 0.958 & -0.007 & 0.062 & 0.065 & 0.004 & 0.959\\
## $\hat{\mu}_{111}$ & 0.002 & 0.071 & 0.076 & 0.005 & 0.951 & 0.001 & 0.062 & 0.067 & 0.004 & 0.957\\
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## \cmidrule(l{3pt}r{3pt}){2-6} \cmidrule(l{3pt}r{3pt}){7-11}
##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & -0.002 & 0.055 & 0.054 & 0.003 & 0.950 & 0.000 & 0.041 & 0.043 & 0.002 & 0.9
## $\hat{\mu}_{100}$ & -0.003 & 0.067 & 0.077 & 0.005 & 0.945 & -0.004 & 0.051 & 0.053 & 0.003 & 0.951\\
## $\hat{\mu}_{010}$ & 0.012 & 0.075 & 0.081 & 0.006 & 0.932 & 0.006 & 0.055 & 0.057 & 0.003 & 0.923\\
## $\hat{\mu}_{001}$ & 0.002 & 0.067 & 0.073 & 0.005 & 0.949 & -0.001 & 0.050 & 0.052 & 0.003 & 0.949\\
## $\hat{\mu}_{110}$ & -0.003 & 0.067 & 0.077 & 0.004 & 0.946 & -0.004 & 0.051 & 0.054 & 0.003 & 0.955\
## $\hat{\mu}_{101}$ & -0.003 & 0.067 & 0.077 & 0.005 & 0.947 & -0.004 & 0.050 & 0.053 & 0.003 & 0.958\
## $\hat{\mu}_{011}$ & -0.001 & 0.067 & 0.076 & 0.004 & 0.955 & -0.001 & 0.050 & 0.053 & 0.003 & 0.954\
## $\hat{\mu}_{111}$ & -0.003 & 0.067 & 0.078 & 0.004 & 0.947 & -0.004 & 0.050 & 0.054 & 0.003 & 0.962\\
## $\hat{\mu}_\text{IPW}$ & -0.001 & 0.029 & 0.030 & 0.001 & 0.959 & 0.000 & 0.023 & 0.023 & 0.001 & 0.9
## $\hat{\mu}_{100}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{010}$ & 0.015 & 0.040 & 0.042 & 0.002 & 0.946 & 0.010 & 0.030 & 0.031 & 0.001 & 0.958\\
## $\hat{\mu}_{001}$ & 0.004 & 0.036 & 0.037 & 0.001 & 0.951 & 0.003 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{110}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.964\\
## $\hat{\mu}_{101}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{011}$ & 0.006 & 0.036 & 0.037 & 0.001 & 0.950 & 0.005 & 0.027 & 0.028 & 0.001 & 0.965\\
## $\hat{\mu}_{111}$ & -0.001 & 0.036 & 0.038 & 0.001 & 0.956 & 0.000 & 0.027 & 0.028 & 0.001 & 0.965\\
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##  & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.222 & 0.159 & 0.152 & 0.075 & 0.683 & 0.219 & 0.135 & 0.137 & 0.066 & 0.6;
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## $\hat{\mu}_{100}$ & 0.001 & 0.136 & 0.145 & 0.018 & 0.953 & -0.003 & 0.112 & 0.114 & 0.013 & 0.963\\
## $\hat{\mu}_{010}$ & -0.094 & 0.180 & 0.218 & 0.041 & 0.953 & -0.062 & 0.133 & 0.135 & 0.022 & 0.933\\
## $\hat{\mu}_{001}$ & 0.007 & 0.137 & 0.145 & 0.019 & 0.949 & -0.006 & 0.113 & 0.115 & 0.013 & 0.960\\
## $\hat{\mu}_{110}$ & 0.001 & 0.136 & 0.146 & 0.018 & 0.955 & -0.003 & 0.113 & 0.115 & 0.013 & 0.964\\
## $\hat{\mu}_{101}$ & 0.000 & 0.136 & 0.159 & 0.019 & 0.957 & -0.003 & 0.112 & 0.116 & 0.013 & 0.963\\
## $\hat{\mu}_{011}$ & -0.005 & 0.136 & 0.153 & 0.019 & 0.954 & -0.012 & 0.113 & 0.119 & 0.013 & 0.966\\
## $\hat{\mu}_{111}$ & 0.000 & 0.136 & 0.221 & 0.019 & 0.959 & -0.003 & 0.113 & 0.131 & 0.013 & 0.964\\
## $\hat{\mu}_\text{IPW}$ & 0.114 & 0.084 & 0.082 & 0.020 & 0.702 & 0.115 & 0.072 & 0.074 & 0.018 & 0.6
## $\hat{\mu}_{100}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{010}$ & -0.099 & 0.093 & 0.096 & 0.018 & 0.848 & -0.061 & 0.073 & 0.074 & 0.009 & 0.863\\
## $\hat{\mu}_{001}$ & 0.004 & 0.071 & 0.073 & 0.005 & 0.947 & -0.005 & 0.062 & 0.063 & 0.004 & 0.948\\
## $\hat{\mu}_{110}$ & -0.001 & 0.071 & 0.072 & 0.005 & 0.946 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{101}$ & -0.002 & 0.071 & 0.080 & 0.005 & 0.947 & -0.002 & 0.062 & 0.063 & 0.004 & 0.950\\
## $\hat{\mu}_{011}$ & -0.003 & 0.071 & 0.073 & 0.005 & 0.950 & -0.009 & 0.063 & 0.064 & 0.004 & 0.945\\
## $\hat{\mu}_{111}$ & -0.002 & 0.071 & 0.075 & 0.005 & 0.948 & -0.002 & 0.062 & 0.072 & 0.004 & 0.951\\
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## \end{tabular}
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## \cmidrule(l{3pt}r{3pt}){2-6} \cmidrule(l{3pt}r{3pt}){7-11}
##   & Bias & ESD & ESE & MSE & CP & Bias & ESD & ESE & MSE & CP\\
## \midrule
## $\hat{\mu}_\text{IPW}$ & 0.035 & 0.057 & 0.058 & 0.004 & 0.910 & 0.037 & 0.039 & 0.039 & 0.003 & 0.8:
## $\hat{\mu}_{100}$ & -0.004 & 0.070 & 0.083 & 0.005 & 0.960 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{010}$ & 0.011 & 0.077 & 0.085 & 0.006 & 0.937 & 0.006 & 0.053 & 0.055 & 0.003 & 0.939\\
## $\hat{\mu}_{001}$ & 0.000 & 0.069 & 0.077 & 0.005 & 0.963 & -0.001 & 0.048 & 0.050 & 0.002 & 0.952\\
## $\hat{\mu}_{110}$ & -0.004 & 0.069 & 0.088 & 0.005 & 0.965 & -0.004 & 0.049 & 0.069 & 0.002 & 0.955\\
## $\hat{\mu}_{101}$ & -0.005 & 0.069 & 0.081 & 0.005 & 0.962 & -0.004 & 0.048 & 0.051 & 0.002 & 0.955\\
## $\hat{\mu}_{011}$ & -0.003 & 0.068 & 0.080 & 0.005 & 0.969 & -0.001 & 0.048 & 0.052 & 0.002 & 0.954\\
## $\hat{\mu}_{111}$ & -0.005 & 0.068 & 0.086 & 0.005 & 0.965 & -0.004 & 0.049 & 0.063 & 0.002 & 0.957\\
## $\hat{\mu}_\text{IPW}$ & 0.021 & 0.032 & 0.032 & 0.001 & 0.906 & 0.020 & 0.022 & 0.021 & 0.001 & 0.8₄
## $\hat{\mu}_{100}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{010}$ & 0.016 & 0.043 & 0.044 & 0.002 & 0.942 & 0.009 & 0.030 & 0.030 & 0.001 & 0.934\\
## $\hat{\mu}_{001}$ & 0.004 & 0.037 & 0.039 & 0.001 & 0.956 & 0.002 & 0.027 & 0.028 & 0.001 & 0.954\\
## $\hat{\mu}_{110}$ & 0.000 & 0.038 & 0.040 & 0.001 & 0.962 & -0.001 & 0.027 & 0.028 & 0.001 & 0.961\\
## $\hat{\mu}_{101}$ & -0.001 & 0.038 & 0.039 & 0.001 & 0.960 & -0.001 & 0.027 & 0.028 & 0.001 & 0.960\\
## $\hat{\mu}_{011}$ & 0.006 & 0.038 & 0.039 & 0.001 & 0.957 & 0.004 & 0.028 & 0.028 & 0.001 & 0.953\\
## $\hat{\mu}_{111}$ & 0.000 & 0.038 & 0.040 & 0.001 & 0.962 & -0.001 & 0.027 & 0.028 & 0.001 & 0.961\\
## \bottomrule
## \end{tabular}
## \end{table}
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