Code Description

The .m files are the MATLAB code which produce the results for the monte carlo simulations and empirical application. The generated output after running the .m files are contained in the corresponding .log files. The following summarizes the content of the .log files.

montecarlo.log:	Contains results in Table 1
montecarlocovariateadaptive.log:	Contains results in Table 5
montecarlocovariateadaptivecopy.log:	Contains results in Table 4
montecarlocovariateadaptivecopy2.log:	Contains results in Table 3
montecarlocovariateadaptivecopy3.log:	Contains results in Table 2
montecarlocovariateadaptivecopy4.log:	Contains results in Table 7
montecarlocovariateadaptivecopy5.log:	Contains results in Table 6
montecarlo2.log:	Contains results in Table 8
montecarlocovariateadaptive2.log:	Contains results in Table 13
montecarlocovariateadaptive3.log:	Contains results in Table 14
montecarlocovariateadaptive4.log:	Contains results in Table 11
montecarlocovariateadaptive5.log:	Contains results in Table 12
montecarlocovariateadaptive6.log:	Contains results in Table 9
montecarlocovariateadaptive7.log:	Contains results in Table 10
auctiondatauniquedomainname6.01.log:	Contains results in Table 15
auctiondatauniquedomainname6.01_7.11.log:	Contains results in Table 16
auctiondatauniquedomainnameupto7.11.log:	Contains results in Table 17

Data Description

The data were obtained from a simple randomized experiment that GoDaddy implemented starting May 12th, 2017 where some domain names received a valuation metric provided by a machine learning algorithm using deep learning. We have data on all auctions that were part of the experiment in the period between May 12th, 2017 and July 11th, 2017.

Each observation corresponds to an auction for a particular domain name. The variables we observe are the id of the buyer who placed that winning bid, the beginning and end times of that auction, the winning bid for that auction, whether the winning bid was placed during the English auction or Dutch auction phase, whether the domain name was assigned a valuation and if so, the valuation assigned, the length of the domain name, dummy variables for whether the top level domain is .com, .net, or .org, and whether the domain name contains any words that are part of the English dictionary.

Unfortunately, due to confidentiality concerns, we are unable to publicly distribute the data. For any further inquiries, please contact any one of us at the following email addresses:
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