

Replication Script to JSS Submission

Lindsay Rutter, Susan VanderPlas, Dianne Cook, Michelle A. Graham

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Contents

3. Example datasets

First, we can load and examine the structure of the soybean genealogy example dataset (called `sbGeneal`):

```
> rm(list=)
> library("ggenealogy")
> data("sbGeneal")
> str(sbGeneal)

'data.frame':      390 obs. of  5 variables:
 $ child      : chr  "5601T" "Adams" "A.K." "A.K. (Harrow)" ...
 $ year       : num  1981 1948 1910 1912 1968 ...
 $ yield      : int   NA 2734 NA 2665 NA 2981 2887 2817 NA NA ...
 $ year.imputed: logi   TRUE FALSE TRUE FALSE FALSE FALSE ...
 $ parent     : chr   "Hutcheson" "Dunfield" NA "A.K." ...
```

After that, we can load and examine the structure of the academic statistician genealogy example dataset (called `statGeneal`):

```
> data("statGeneal")
> dim(statGeneal)

[1] 8165      6

> colnames(statGeneal)

[1] "child"    "parent"   "year"     "country"  "school"   "thesis"
```

Convert `sbGeneal` into `igraph` object: