Variation of dietary fiber content in 282 common bean genetoypes from the middle american gene pool

skammlade

31 May 2016

###### Tables below show 5 entries with the greatest and lowest values of each fiber component, including standard deviation, standard error and confindence intervals

##### Insoluble Dietary Fiber (IDF)

## Entry mktclass race IDF sd se ci  
## 1: PR0443-151 black mesoamerican 16.91 1.55 1.09 13.889779  
## 2: CDC Pinnacle pinto durango 16.73 2.76 1.95 24.800427  
## 3: CDC Jet black mesoamerican 16.71 1.32 0.94 11.901595  
## 4: TARS-VCI-4B pinto durango 16.46 3.43 2.42 30.794445  
## 5: TARS09-RR007 small red jalisco 16.42 0.51 0.36 4.593329

## Entry mktclass race IDF sd se ci  
## 1: BelMiNeb-RMR-4 navy mesoamerican 12.34 0.11 0.08 0.9665865  
## 2: BelMiNeb-RMR-8 navy mesoamerican 12.05 0.38 0.27 3.4343093  
## 3: BelMiNeb-RMR-7 navy mesoamerican 11.77 0.31 0.22 2.7697138  
## 4: BelMiNeb-RMR-3 GN durango 11.75 0.22 0.15 1.9667926  
## 5: AC Pintoba pinto durango 11.44 0.19 0.13 1.6955623

##### Soluble Dietary Fiber (SDF)

## Entry mktclass race SDF sd se ci  
## 1: Voyager navy mesoamerican 10.29 0.12 0.08 1.0333216  
## 2: SR7-3 small red jalisco 9.83 0.83 0.59 7.4785581  
## 3: NW-63 small red jalisco 9.81 0.43 0.30 3.8362222  
## 4: IP08-2 pinto durango 9.48 0.76 0.53 6.7863365  
## 5: BelMiNeb 2 GN durango 9.45 0.05 0.03 0.4199197

## Entry mktclass race SDF sd se ci  
## 1: ABCP-15 pinto durango 5.76 0.56 0.39 5.001012  
## 2: Quincy pinto durango 5.53 0.22 0.16 2.001713  
## 3: Centa Pupil small red jalisco 5.34 0.52 0.37 4.685913  
## 4: TARS-VCI-4B pinto durango 5.16 1.32 0.93 11.837830  
## 5: I9365-5 pink jalisco 5.09 1.57 1.11 14.129284

##### Raffinose (Raff)

## Entry mktclass race Raff sd se ci  
## 1: NE1-09-20 GN durango 0.92 0.06 0.04 0.5027495  
## 2: CDC Crocus GN durango 0.85 0.05 0.04 0.4676752  
## 3: I9365-31 black mesoamerican 0.85 0.25 0.18 2.2439315  
## 4: A-55 black mesoamerican 0.79 0.06 0.04 0.5558887  
## 5: NE1-09-9 GN durango 0.79 0.10 0.07 0.8559262

## Entry mktclass race Raff sd se ci  
## 1: Sawtooth GN durango 0.30 0.11 0.08 0.96428778  
## 2: USRM-20 small red jalisco 0.30 0.03 0.02 0.27608538  
## 3: Bill Z pinto durango 0.28 0.01 0.01 0.12989700  
## 4: Ind. Jamaica Red red mottle jalisco 0.28 0.07 0.05 0.60108515  
## 5: Apache pinto durango 0.27 0.01 0.01 0.07248785

##### Stachyose (Stach)

## Entry mktclass race Stach sd se ci  
## 1: ND021717 black mesoamerican 5.16 1.86 1.31 16.689706  
## 2: Centa Pupil small red jalisco 4.90 0.26 0.18 2.291898  
## 3: Ind. Jamaica Red red mottle jalisco 4.89 0.43 0.31 3.900070  
## 4: GN Star GN durango 4.78 0.17 0.12 1.566395  
## 5: Inta Precoz small red jalisco 4.70 0.28 0.20 2.482681

## Entry mktclass race Stach sd se ci  
## 1: ND040494-4 pinto durango 3.10 0.24 0.17 2.1129249  
## 2: NE1-09-9 GN durango 3.07 0.32 0.23 2.8597011  
## 3: NE1-09-20 GN durango 3.03 0.08 0.05 0.6912525  
## 4: T9905 navy mesoamerican 3.00 0.10 0.07 0.9327172  
## 5: F07-449-9-3 small red jalisco 2.99 0.18 0.13 1.6056405

##### Verbascose (Verb)

## Entry mktclass race Verb sd se ci  
## 1: Ind. Jamaica Red red mottle jalisco 0.23 0.03 0.02 0.28081810  
## 2: Pink Floyd pink jalisco 0.23 0.00 0.00 0.01669660  
## 3: ROG 312 pink jalisco 0.23 0.02 0.02 0.21621536  
## 4: ABC-Weihing GN durango 0.20 0.02 0.01 0.14315775  
## 5: GN Star GN durango 0.20 0.00 0.00 0.01951718

## Entry mktclass race Verb sd se ci  
## 1: NE1-09-22 GN durango 0.04 0.00 0.00 0.01197923  
## 2: T9905 navy mesoamerican 0.04 0.01 0.01 0.09583154  
## 3: A-55 black mesoamerican 0.04 0.04 0.02 0.31711638  
## 4: GN9-4 GN durango 0.03 0.03 0.02 0.28382897  
## 5: McHale navy mesoamerican 0.02 0.01 0.00 0.04973606

##### Total Oligosachharides (TOligos) = Raff + Stach + Verb

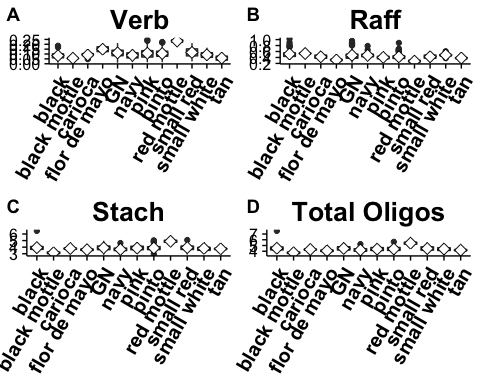
## Entry mktclass race TOligos sd se ci  
## 1: ND021717 black mesoamerican 5.98 2.22 1.57 19.916897  
## 2: Centa Pupil small red jalisco 5.45 0.18 0.13 1.617420  
## 3: Ind. Jamaica Red red mottle jalisco 5.40 0.47 0.33 4.220337  
## 4: GN Star GN durango 5.39 0.23 0.16 2.039479  
## 5: Inta Precoz small red jalisco 5.32 0.25 0.18 2.241217

## Entry mktclass race TOligos sd se ci  
## 1: Mariah pinto durango 3.60 0.30 0.21 2.6710006  
## 2: NE1-09-19 GN durango 3.57 0.08 0.06 0.7096436  
## 3: ND040494-4 pinto durango 3.55 0.14 0.10 1.2448339  
## 4: T9905 navy mesoamerican 3.53 0.12 0.09 1.0809816  
## 5: F07-449-9-3 small red jalisco 3.50 0.06 0.04 0.5674556

##### Total Dietary Fiber (TDF) = IDF + SDF + Raff + Stach + Verb

## Entry mktclass race TDF sd se ci  
## 1: PR0443-151 black mesoamerican 30.23 1.22 0.87 11.004492  
## 2: IP08-2 pinto durango 30.06 0.15 0.11 1.392203  
## 3: ND021717 black mesoamerican 29.78 0.83 0.59 7.483545  
## 4: AC Resolute GN durango 29.45 1.57 1.11 14.079884  
## 5: Max pinto durango 28.59 0.81 0.57 7.258725

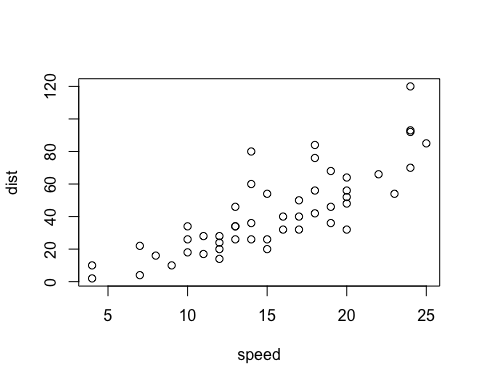
## Entry mktclass race TDF sd se ci  
## 1: T9905 navy mesoamerican 23.59 0.93 0.66 8.39305965  
## 2: Norstar navy mesoamerican 23.43 0.31 0.22 2.77432039  
## 3: BelMiNeb-RMR-7 navy mesoamerican 23.36 0.12 0.08 1.05149600  
## 4: Topaz pinto durango 23.18 0.00 0.00 0.02031563  
## 5: AC Pintoba pinto durango 22.82 0.80 0.57 7.18983714



summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.