Stephen Kelly

Sample Sheet

Sampler

Sample4

Sample

Session Information

SmithLab_Taylor_2016-12-31 Sample Statistical Analysis Quality Metrics

Stephen Kelly

Dr. Aristotelis Tsirigos PI: Dr. Smith Genome Technology Center, NYU Langone Medical Center, New York, NY 10016

> stephen.kelly@nyumc.org April 29, 2016



Stephen Kelly

Sample Sheet

Sample1

Sample

Sample

Sample

Session Information

Analysis Sample Sheet

SampleID	Control	genome
Sample1	Sample2	mm10
Sample2		mm10
Sample3	Sample4	mm10
Sample4		mm10
Sample5		mm10
	Sample1 Sample2 Sample3 Sample4	Sample1 Sample2 Sample2 Sample3 Sample4 Sample4

Stephen Kelly

Sample Sheet

Sample1

Stats

Stats

Sample1

- [1] -4.00 -3.99 -3.98 -3.97 -3.96 -3.95
- [1] 0.0001338302 0.0001392850 0.0001449476 0.0001508253 0.0001569256
- [6] 0.0001632564
- [1] 3.167124e-05 3.303665e-05 3.445763e-05 3.593632e-05 3.747488e-05
- [6] 3.907560e-05
- [1] 1.2582925 0.6447519 0.4633460 0.7703058 -0.2263347 -0.3515479

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Sample Sheet

Sample1

distribution_histogram.pdf

Sample2

Sample

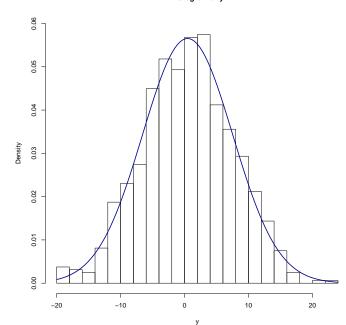
Sample

Sample

Session Informatio

$distribution_histogram.pdf$

/ifs/home/kellys04/AutoReportLite/analysis_pipeline/Sample1/Sample1.distribution_histogram.pdf



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Sample1

Stats distribution_histogram.pd random_distribution.pdf

Sample?

Sample

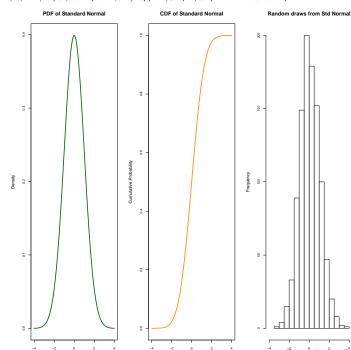
Sample

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Session Informatio

random_distribution.pdf

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Stephen Kelly

Sample Sheet

Sample1

Sample2 Stats

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Sample3

Sample

Session Information

Stats

Sample2

- [1] -4.00 -3.99 -3.98 -3.97 -3.96 -3.95
- [1] 0.0001338302 0.0001392850 0.0001449476 0.0001508253 0.0001569256
- [6] 0.0001632564
- [1] 3.167124e-05 3.303665e-05 3.445763e-05 3.593632e-05 3.747488e-05
- [6] 3.907560e-05
- [1] 1.2582925 0.6447519 0.4633460 0.7703058 -0.2263347 -0.3515479

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Sample1

Sample2

Stats

distribution_histogram.pdf random_distribution.pdf

Sample3

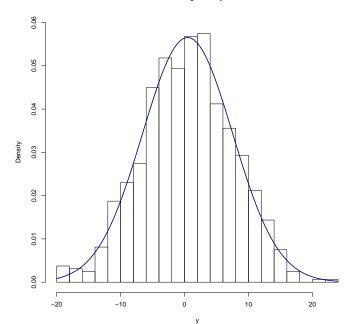
Sample

Sample

Session Information

$distribution_histogram.pdf$

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Stephen Kelly

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Sample2

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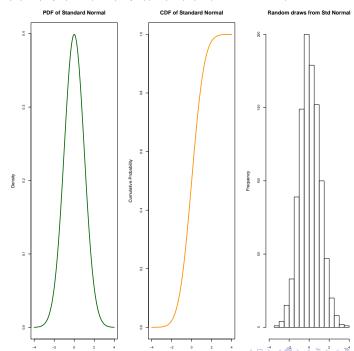
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Session Informatio

$random_distribution.pdf$

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Sample Sheet

Sample1

Sample2 Sample3

> Stats distribution_histogram.pd

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Session Information

Stats

Sample3

- [1] -4.00 -3.99 -3.98 -3.97 -3.96 -3.95
- [1] 0.0001338302 0.0001392850 0.0001449476 0.0001508253 0.0001569256
- [6] 0.0001632564
- [1] 3.167124e-05 3.303665e-05 3.445763e-05 3.593632e-05 3.747488e-05
- [6] 3.907560e-05
- [1] 1.2582925 0.6447519 0.4633460 0.7703058 -0.2263347 -0.3515479

Stephen Kelly

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Sample3

Stats distribution_histogram.pdf

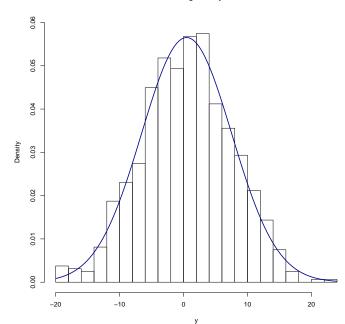
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Session Information

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Sample3

Stats distribution_histogram.p random_distribution.pdf

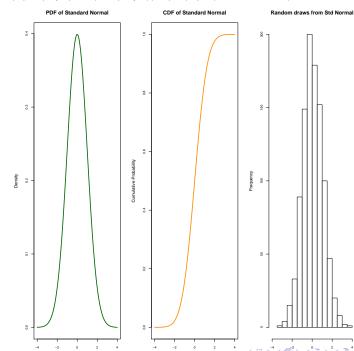
Sample4

Sample

Session Information

random_distribution.pdf

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Stephen Kelly

Sample Sheet

Sample1

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Sample4 Stats

> distribution_histogram.p random_distribution.pdf

Sample5

Session Informati

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Sample4

- [1] -4.00 -3.99 -3.98 -3.97 -3.96 -3.95
- $[1] \ 0.0001338302 \ 0.0001392850 \ 0.0001449476 \ 0.0001508253 \ 0.0001569256$
- [6] 0.0001632564
- [1] 3.167124e-05 3.303665e-05 3.445763e-05 3.593632e-05 3.747488e-05
- [6] 3.907560e-05
- [1] 1.2582925 0.6447519 0.4633460 0.7703058 -0.2263347 -0.3515479

Stephen Kelly

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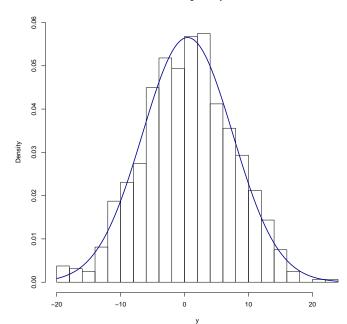
distribution_histogram.pdf

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Session Informatio

$distribution_histogram.pdf$

/ifs/home/kellys04/AutoReportLite/analysis_pipeline/Sample4/Sample4.distribution_histogram.pdf



Stephen Kelly

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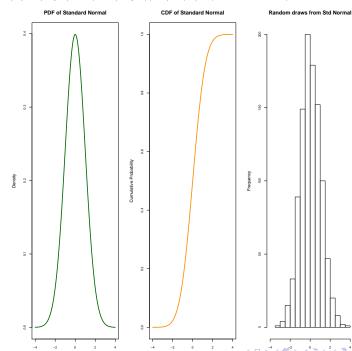
distribution_histogram.p random_distribution.pdf

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Session Informatio

random_distribution.pdf

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Sample5 Stats

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Session Information

Stats

Sample5

- [1] -4.00 -3.99 -3.98 -3.97 -3.96 -3.95
- [1] 0.0001338302 0.0001392850 0.0001449476 0.0001508253 0.0001569256
- [6] 0.0001632564
- [1] 3.167124e-05 3.303665e-05 3.445763e-05 3.593632e-05 3.747488e-05
- [6] 3.907560e-05
- [1] 1.2582925 0.6447519 0.4633460 0.7703058 -0.2263347 -0.3515479

Stephen Kelly

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Sample'

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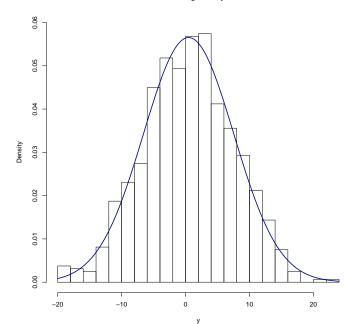
Sample5

Stats
distribution_histogram.pdf

Session Informatio

$distribution_histogram.pdf$

/ifs/home/kellys04/AutoReportLite/analysis_pipeline/Sample5/Sample5.distribution_histogram.pdf



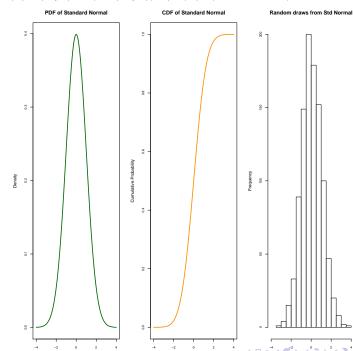
Stephen Kelly

Sample5

random_distribution.pdf

random_distribution.pdf

/ifs/home/kellys04/AutoReportLite/analysis_pipeline/Sample5/Sample5.random_distribution.pdf



```
Sample Statistical Analysis
Stephen Kelly
Sample Sheet
Sample1
```

Sample2

Sample4

Session Information

```
system('uname -srv',intern=T)
## [1] "Linux 2.6.32-573.18.1.el6.x86_64 #1 SMP Tue Feb 9 22:46:17 UTC 2016"
sessionInfo()
## R version 3.2.3 (2015-12-10)
## Platform: x86_64-redhat-linux-gnu (64-bit)
## Running under: CentOS release 6.7 (Final)
##
## locale:
## [1] LC CTYPE=en US.UTF-8
                               LC_NUMERIC=C
## [3] LC_TIME=en_US.UTF-8
                               LC_COLLATE=en_US.UTF-8
   [5] LC_MONETARY=en_US.UTF-8 LC_MESSAGES=en_US.UTF-8
## [7] LC_PAPER=en_US.UTF-8
                            LC_NAME=C
## [9] LC ADDRESS=C
                                LC TELEPHONE=C
## [11] LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats
               graphics grDevices utils
                                            datasets methods
## other attached packages:
## [1] xtable 1.8-2
                     Hmisc 3.17-1 ggplot2 2.0.0 Formula 1.2-1
## [5] survival_2.39-2 lattice_0.20-33 knitr_1.12.3
##
## loaded via a namespace (and not attached):
## [1] Rcpp_0.12.3
                          cluster_2.0.4
                                             magrittr_1.5
                     munsell_0.4.2
## [4] splines_3.2.3
                                              colorspace_1.2-6
                       highr_0.5.1
## [7] stringr_1.0.0
                                             plyr_1.8.3
## [10] tools_3.2.3
                        nnet_7.3-12
                                             grid_3.2.3
## [13] gtable_0.1.2
                     latticeExtra_0.6-26 Matrix_1.2-5
## [16] gridExtra_2.0.0
                          RColorBrewer 1.1-2 formatR 1.3
## [19] acepack 1.3-3.3
                        rpart 4.1-10
                                             evaluate 0.8.3
## [22] stringi_1.0-1
                          scales_0.3.0
                                             foreign_0.8-66
save.image(compress = TRUE)
```

LATEX version: LATEX 2ε 2005/12/01