Gender Type Prediction Using Machine Learning Models, ANN and Deep Learning

Loading Required Packages

```
Loading required package: ggplot2

Attaching package: 'ggplot2'

The following object is masked from 'package:randomForest':
    margin

Loading required package: lattice

Attaching package: 'caret'

The following object is masked from 'package:ggplot2':
    lift

Loading required package: Rcpp

Attaching package: 'Rcpp'

The following object is masked from 'package:ggplot2':
    annotate

Loading required package: RcppEigen

Attaching package: 'RcppEigen'

The following object is masked from 'package:Rcpp':
    fastLm

Loading required package: Matrix

Attaching package: 'Matrix'

The following object is masked from 'package:RcppEigen':
    as.matrix

Loaded glmnet 4.1-8

Attaching package: 'dplyr'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

Attaching package: 'tidyr'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

Attaching package: 'Hmisc'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

The following object is masked from 'package:Matrix':
    cut2

The following object is masked from 'package:ggplot2':
    stat_bin

The following object is masked from 'package:dplyr':
    src, summarize

The following object is masked from 'package:base':
    format.pvalue, round.POSIXt, trunc.POSIXt, units

Attaching package: 'pROC'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

Type 'citation("pROC")' for a citation.

Attaching package: 'pROC'

The following object is masked from 'package:Hmisc':
    ci

The following object is masked from 'package:glmnet':
    auc

The following object is masked from 'package:Matrix':
    cov

The following objects are masked from 'package:stats':
    cov, smooth, var

Attaching package: 'randomForest'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

The following object is masked from 'package:ggplot2':
    margin

The following object is masked from 'package:dplyr':
    combine

The following object is masked from 'package:Rcpp':
    .CxxFunction

Attaching package: 'e1071'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

The following object is masked from 'package:ggplot2':
    stat_bin

Attaching package: 'ggpubr'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

The following object is masked from 'package:ggplot2':
    stat_bin_2d

Attaching package: 'ggsignif'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
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Attaching package: 'ggcorrplot'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

The following object is masked from 'package:ggplot2':
    theme_bw

Attaching package: 'ggfortify'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
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The following object is masked from 'package:ggplot2':
    autoplot

Attaching package: 'ggrepel'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
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Attaching package: 'ggthemes'

The objects .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm were not exported 3 times because of conflicts with .GlobalEnv:
    .internal, arm, .no.warnings, pbinom, pnorm, qbinom, qnorm, qpois, rbinom, rnorm

Attaching package: 'ggtheme
```