

# Package ‘LinkOrgs’

December 17, 2025

**Title** LinkOrgs: Algorithms for Organizational Record Linkage

**Version** 0.01

**Description** An R package for organizational records using the algorithms of Jerzak & Libgober (2023+). The linkage is done based on organizational names and using half a billion open collaborated records on those names from LinkedIn users. It also contains functions implementing string matching performance metrics, as well as a fast, parallelized version of fuzzy string matching.

**Depends** R (>= 3.3.3)

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**Encoding** UTF-8

**LazyData** true

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**Imports**

data.table,plyr,Rfast,stringdist,parallel,glmnet,stringr,dplyr,fastmatch,reticulate,R.utils,foreach,doParallel

**RoxygenNote** 7.3.3

**RemoteType** local

**RemotePkgRef** local:::~/Documents/LinkOrgs-software/LinkOrgs

**RemoteUrl** /Users/cjerzak/Documents/LinkOrgs-software/LinkOrgs

## Contents

AssessMatchPerformance . . . . .	2
BuildBackend . . . . .	3
dropboxURL2downloadURL . . . . .	4
GetCalibratedDistThres . . . . .	5
LinkOrgs . . . . .	6
pDistMatch_discrete . . . . .	9
pDistMatch_euclidean . . . . .	11
pFuzzyMatch_discrete . . . . .	12
pFuzzyMatch_euclidean . . . . .	14
print2 . . . . .	16
url2dt . . . . .	16

**Index**

18

AssessMatchPerformance  
*AssessMatchPerformance*

## Description

Computes match performance metrics (true/false positive and true/false negative rates) by comparing predicted matches against a ground-truth dataset.

## Usage

```
AssessMatchPerformance(
  x,
  y,
  z,
  z_true,
  by,
  by.x = by,
  by.y = by,
  openBrowser = F
)
```

## Arguments

x, y	Data frames that were merged to produce z. Used to determine the universe of possible match pairs.
z	Data frame containing the predicted matches to be evaluated. Must contain columns specified by by.x and by.y.
z_true	Data frame containing the ground-truth (reference) matches. Must contain columns specified by by.x and by.y.
by	Character string specifying the column name for merging when both data frames use the same column name.
by.x	Character string specifying the column name in x used for merging. Defaults to by if not specified.
by.y	Character string specifying the column name in y used for merging. Defaults to by if not specified.
openBrowser	Logical; if TRUE, opens browser for debugging. Default is FALSE.

## Value

A named numeric vector with the following elements:

**TruePositives** Number of matches in z that are also in z\_true.

**FalsePositives** Number of matches in z that are not in z\_true.

**FalseNegatives** Number of matches in z\_true that are not in z.

**TrueNegatives** Number of non-matches correctly identified (total pairs minus TP, FP, and FN).

**MatchedDatasetSize** Number of rows in the predicted matches z.

## Examples

```
# Create synthetic data
x_ornames <- c("apple", "oracle", "enron inc.", "mcdonalds corporation")
y_ornames <- c("apple corp", "oracle inc", "enron", "mcdonalds co")
x <- data.frame("orgnames_x" = x_ornames)
y <- data.frame("orgnames_y" = y_ornames)
z <- data.frame("orgnames_x" = x_ornames[1:2], "orgnames_y" = y_ornames[1:2])
z_true <- data.frame("orgnames_x" = x_ornames, "orgnames_y" = y_ornames)

# Obtain match performance data
PerformanceMatrix <- AssessMatchPerformance(x = x,
                                              y = y,
                                              z = z,
                                              z_true = z_true,
                                              by.x = "orgnames_x",
                                              by.y = "orgnames_y")
print(PerformanceMatrix)
```

## Description

Creates and configures a conda environment with all necessary Python packages (JAX, TensorFlow, Optax, Equinox, JMP) for running the machine learning components of LinkOrgs.

## Usage

```
BuildBackend(conda_env = "LinkOrgs_env", conda = "auto", tryMetal = T)
```

## Arguments

conda_env	Character string; name of the conda environment to create. Default is "LinkOrgs_env".
conda	Character string; path to a conda executable, or "auto" to let reticulate automatically find an appropriate conda binary. Default is "auto".
tryMetal	Logical; if TRUE and running on Apple Silicon (arm64 macOS), attempts to install jax-metal for GPU acceleration. Default is TRUE.

## Details

This function requires an Internet connection to download packages. The conda environment will include:

- TensorFlow 2.15
- TensorFlow Probability 0.23
- JAX 0.4.26 and JAXlib 0.4.26
- Optax 0.2.2
- Equinox 0.11.4
- JMP 0.0.4

- NumPy 1.26.4
- jax-metal 0.1.0 (Apple Silicon only, if `tryMetal = TRUE`)

You can find available conda Python paths via: `system("which python")`

### Value

Invisibly returns NULL. Called for its side effect of creating and configuring the conda environment.  
Prints "Done building LinkOrgs backend!" upon successful completion.

### See Also

[LinkOrgs\(\)](#) for using the ML backend after setup.

### Examples

```
## Not run:
# Build with default settings
BuildBackend()

# Build with a specific conda path
BuildBackend(conda = "/opt/miniconda3/bin/conda")

# Build without attempting Metal support on macOS
BuildBackend(tryMetal = FALSE)

## End(Not run)
```

## dropboxURL2downloadURL

*Convert Dropbox Share URL to Direct Download URL*

### Description

Converts a Dropbox share link to a direct download URL by replacing the domain with `d1.dropboxusercontent.com`.

### Usage

`dropboxURL2downloadURL(url)`

### Arguments

<code>url</code>	Character string; a Dropbox share URL (e.g., " <code>https://www.dropbox.com/s/...</code> " or " <code>https://dropbox.com/s/...</code> ").
------------------	---

### Details

Dropbox share links require modification to enable direct file downloads. This function replaces:

- `https://www.dropbox.com` with `https://d1.dropboxusercontent.com`
- `www.dropbox.com` with `d1.dropboxusercontent.com`
- `dropbox.com` with `d1.dropboxusercontent.com`

**Value**

Character string; the converted direct download URL. If the input is not a Dropbox URL, it is returned unchanged.

**See Also**

[url2dt\(\)](#) which uses this function internally.

**Examples**

```
# Convert a Dropbox share link
direct_url <- dropboxURL2downloadURL(
  "https://www.dropbox.com/s/abc123/myfile.csv?dl=0"
)
# Returns: "https://dl.dropboxusercontent.com/s/abc123/myfile.csv?dl=0"
```

**GetCalibratedDistThres**

*GetCalibratedDistThres*

**Description**

Calibrates a distance threshold based on a target average number of matches per alias. Samples pairwise distances from a subset of observations to determine the threshold that would yield approximately the desired number of matches.

**Usage**

```
GetCalibratedDistThres(
  x = NULL,
  y = NULL,
  by.x = NULL,
  by.y = NULL,
  AveMatchNumberPerAlias = 5L,
  qgram = 2L,
  DistanceMeasure = "jaccard",
  nCores = NULL,
  mode = "euclidean"
)
```

**Arguments**

x	Input data. For mode = "euclidean": an embedding matrix where rows are observations and columns are embedding dimensions. For mode = "discrete": a data frame containing the column specified by by.x.
y	Input data. For mode = "euclidean": an embedding matrix where rows are observations and columns are embedding dimensions. For mode = "discrete": a data frame containing the column specified by by.y.
by.x	Column name in x to use for matching. Only used when mode = "discrete".
by.y	Column name in y to use for matching. Only used when mode = "discrete".

AveMatchNumberPerAlias	Target average number of matches per observation. Used to calibrate the distance threshold. Default is 5.
qgram	The q-gram size for string distance calculation. Only used when mode = "discrete". Default is 2.
DistanceMeasure	The string distance measure to use. Only used when mode = "discrete". Options include "jaccard", "osa", "jw". See ?stringdist::stringdist for all options. Default is "jaccard".
nCores	Number of CPU cores for parallel computation. Only used when mode = "discrete". Default is NULL (auto-detect).
mode	Character string specifying the distance computation mode. Must be either "euclidean" (for embedding-based matching) or "discrete" (for string-based matching). Default is "euclidean".

**Value**

A numeric value representing the calibrated distance threshold.

LinkOrgs

*LinkOrgs***Description**

Implements the organizational record linkage algorithms of Libgober and Jerzak (2023+) using half-a-billion open-collaborated records.

**Usage**

```
LinkOrgs(
  x = NULL,
  y = NULL,
  by = NULL,
  by.x = NULL,
  by.y = NULL,
  embedx = NULL,
  embedy = NULL,
  embedDistMetric = NULL,
  algorithm = "ml",
  conda_env = "LinkOrgs_env",
  conda_env_required = T,
  ReturnDiagnostics = F,
  ReturnProgress = T,
  ToLower = T,
  NormalizeSpaces = T,
  RemovePunctuation = T,
  MaxDist = NULL,
  MaxDist_network = NULL,
  AveMatchNumberPerAlias = 10,
  AveMatchNumberPerAlias_network = 2,
```

```

  DistanceMeasure = "jaccard",
  qgram = 2,
  RelThresNetwork = 1.5,
  ml_version = "v1",
  openBrowser = F,
  ExportEmbeddingsOnly = FALSE,
  ReturnDecomposition = FALSE,
  python_executable,
  nCores = NULL,
  deezyLoc = NULL
)

```

## Arguments

<code>x, y</code>	Data frames to be merged.
<code>by, by.x, by.y</code>	Character vector(s) that specify the column names used for merging data frames <code>x</code> and <code>y</code> . The merging variables should be organizational names. See <code>?base::merge</code> for more details regarding syntax.
<code>embedx, embedy</code>	Optional pre-computed embedding matrices. If provided, these will be used instead of computing embeddings from names. Rows correspond to observations and columns to embedding dimensions.
<code>embedDistMetric</code>	Optional custom distance metric function for embedding-based matching.
<code>algorithm</code>	Character; specifies which algorithm should be used. Options are "fuzzy", "ml", "bipartite", "markov", and "transfer". Default is "ml", which uses a machine-learning approach with Transformer networks and up to 11 million parameters to predict match probabilities using half a billion open-collaborated records as training data.
<code>conda_env</code>	Character string; specifies a conda environment where JAX and related packages have been installed (see <code>?LinkOrgs::BuildBackend</code> ). Used only when <code>algorithm='ml'</code> or <code>DistanceMeasure='ml'</code> . Default is "LinkOrgs_env".
<code>conda_env_required</code>	Logical; specifies whether conda environment is required. Default is TRUE.
<code>ReturnDiagnostics</code>	Logical; if TRUE, various match-level diagnostics are returned in the merged data frame. Default is FALSE.
<code>ReturnProgress</code>	Logical; if TRUE, progress messages are printed during execution. Default is TRUE.
<code>ToLower</code>	Logical; if TRUE, converts names to lowercase before matching. Default is TRUE.
<code>NormalizeSpaces</code>	Logical; if TRUE, removes extra whitespace from names. Default is TRUE.
<code>RemovePunctuation</code>	Logical; if TRUE, removes punctuation from names. Default is TRUE.
<code>MaxDist</code>	Numeric; maximum allowed distance between two matched strings. If <code>AveMatchNumberPerAlias</code> is specified, it takes priority over this parameter.
<code>MaxDist_network</code>	Numeric; maximum allowed distance for network-based matching when using <code>algorithm = "bipartite"</code> or <code>"markov"</code> .

AveMatchNumberPerAlias	Numeric; target average number of matches per alias. Used to automatically calibrate MaxDist. Takes priority over MaxDist if both are specified. Default is 10.
AveMatchNumberPerAlias_network	Numeric; target average number of matches per alias for network-based candidate selection. Default is 2.
DistanceMeasure	Character; algorithm for computing pairwise string distances. Options include "osa", "jaccard", "jw", or "ml" for embedding-based distance. See ?stringdist::stringdist for all string distance options. Default is "jaccard".
qgram	Integer; the q-gram size used in string distance measures. Default is 2.
RelThresNetwork	Numeric; relative threshold multiplier for network distances. Default is 1.5.
ml_version	Character; specifies which version of the ML algorithm to use. Options are "v0" (9M parameters) through "v4". Default is "v1" (11M parameters).
openBrowser	Logical; if TRUE, opens browser for debugging. Default is FALSE.
ExportEmbeddingsOnly	Logical; if TRUE with algorithm='ml' (or DistanceMeasure='ml'), returns only ML embeddings for x and/or y without matching, for offline linkage. Default is FALSE.
ReturnDecomposition	Logical; if TRUE, returns a list containing the merged data frame along with intermediate results. Default is FALSE.
python_executable	Path to Python executable. Usually not needed if conda_env is specified.
nCores	Integer; number of CPU cores to use for parallel processing. Default is NULL (auto-detect based on data size).
deozyLoc	Path to DeezyMatch installation (for algorithm = "deezymatch").
...	Additional arguments passed to internal functions.

## Details

LinkOrgs automatically processes the name text for each dataset (specified by by or by.x and by.y). Text preprocessing includes:

- **Case normalization:** Set ToLower = FALSE to preserve case sensitivity.
- **Space normalization:** Set NormalizeSpaces = FALSE to preserve whitespace.
- **Punctuation removal:** Set RemovePunctuation = FALSE to preserve punctuation.

To use combined machine learning and network methods, set algorithm to "bipartite" or "markov", and DistanceMeasure to "ml".

## Value

If ExportEmbeddingsOnly = TRUE, returns a list with embedx and/or embedy data frames containing the input names and their embeddings. If ReturnDecomposition = TRUE, returns a list with z (merged data), z\_RawNames (raw name matches), and z\_Network (network matches). Otherwise, returns the merged data frame z.

## Examples

```
# Create synthetic data
x_ornames <- c("apple", "oracle", "enron inc.", "mcdonalds corporation")
y_ornames <- c("apple corp", "oracle inc", "enron", "mcdonalds co")
x <- data.frame("ornames_x" = x_ornames)
y <- data.frame("ornames_y" = y_ornames)

# Perform merge with fuzzy matching
linkedOrgs <- LinkOrgs(x = x,
                        y = y,
                        by.x = "ornames_x",
                        by.y = "ornames_y",
                        algorithm = "fuzzy",
                        MaxDist = 0.6)

print(linkedOrgs)
```

pDistMatch\_discrete     *Compute Discrete String Distances (Internal)*

## Description

Computes pairwise string distances between organization names in two data frames using discrete distance measures (e.g., Jaccard, OSA, Jaro-Winkler). Uses trigram indexing for efficient candidate filtering and parallel processing for speed.

## Usage

```
pDistMatch_discrete(
  x,
  y,
  by = NULL,
  by.x = NULL,
  by.y = NULL,
  embedDistMetric = NULL,
  return_stringdist = T,
  onlyUFT = T,
  qgram = 2,
  DistanceMeasure = "jaccard",
  MaxDist = 0.2,
  ReturnProgress = T,
  nCores = NULL,
  ReturnMaxDistThreshold = F
)
```

## Arguments

x, y	Data frames containing organization names to be matched.
by	Character string; column name for matching when both data frames use the same column name. Overridden by by.x and by.y if specified.

<b>by.x</b>	Character string; column name in <b>x</b> containing organization names.
<b>by.y</b>	Character string; column name in <b>y</b> containing organization names.
<b>embedDistMetric</b>	Not used in discrete matching (included for API consistency).
<b>return_stringdist</b>	Logical; if TRUE, returns string distances. Default is TRUE.
<b>onlyUFT</b>	Logical; if TRUE, processes only UTF-8 strings. Default is TRUE.
<b>qgram</b>	Integer; the q-gram size for string distance calculation. Default is 2.
<b>DistanceMeasure</b>	Character; algorithm for computing pairwise string distances. Options include "jaccard", "osa", "jw". See <code>?stringdist::stringdist</code> for all options. Default is "jaccard".
<b>MaxDist</b>	Numeric; maximum allowed distance between matched strings. Pairs with distances greater than this threshold are excluded. Default is 0.20.
<b>ReturnProgress</b>	Logical; if TRUE, progress information is available (currently disabled). Default is TRUE.
<b>nCores</b>	Integer; number of CPU cores for parallel processing. Default is NULL (uses single core).
<b>ReturnMaxDistThreshold</b>	Logical; if TRUE, returns the distance threshold used. Default is FALSE.

## Details

This function uses a two-stage approach for efficient matching:

1. **Trigram indexing:** Builds an index of character trigrams for each name, then filters candidate pairs to those sharing at least 5% of trigrams.
2. **Distance computation:** Computes exact string distances only for filtered candidates, returning pairs with distances at or below **MaxDist**.

The function automatically swaps **x** and **y** if **y** has fewer rows than **x** for more efficient parallelization.

## Value

A data frame with three columns:

- ix** Integer; row index in **x** of the matched record.
- iy** Integer; row index in **y** of the matched record.
- stringdist** Numeric; the string distance between the matched pair.

Returns an empty data frame if no matches are found below **MaxDist**.

## See Also

[pFuzzyMatch\\_discrete\(\)](#) for the higher-level wrapper that returns merged data, [stringdist::stringdist\(\)](#) for available distance measures.

## Examples

```
# Create synthetic data
x_orgnames <- c("apple", "oracle", "enron inc.", "mcdonalds corporation")
y_orgnames <- c("apple corp", "oracle inc", "enron", "mcdonalds co")
x <- data.frame("orgnames_x" = x_orgnames)
y <- data.frame("orgnames_y" = y_orgnames)

# Compute distances
distances <- pDistMatch_discrete(x = x,
                                    y = y,
                                    by.x = "orgnames_x",
                                    by.y = "orgnames_y",
                                    MaxDist = 0.5)
```

pDistMatch\_euclidean *Compute Euclidean Distances Between Embeddings (Internal)*

## Description

Computes pairwise Euclidean distances between embedding vectors from two sets of observations. This function is used internally for ML-based matching where organization names have been converted to numeric embeddings.

## Usage

```
pDistMatch_euclidean(
  embedx,
  embedy,
  MaxDist = NULL,
  embedDistMetric = NULL,
  ReturnProgress = T
)
```

## Arguments

embedx	Numeric matrix; embeddings for the first set of observations. Rows correspond to observations and columns to embedding dimensions.
embedy	Numeric matrix; embeddings for the second set of observations. Rows correspond to observations and columns to embedding dimensions.
MaxDist	Numeric; maximum allowed Euclidean distance. Pairs with distances greater than this threshold are excluded. If NULL, all pairs are returned.
embedDistMetric	Optional function; custom distance metric. If NULL, Euclidean distance is computed. The function should take two arguments (expanded x vector and transposed y matrix) and return a distance vector.
ReturnProgress	Logical; if TRUE, progress information is available (currently disabled). Default is TRUE.

## Details

This function computes Euclidean distances between all pairs of embedding vectors. For efficiency:

- Automatically swaps `embedx` and `embedy` if `embedy` has fewer rows for better vectorization.
- Uses JAX for GPU acceleration when available (detected automatically).
- Rounds embeddings to reduce precision overhead when embedding precision differs.

The function is typically called by [pFuzzyMatch\\_euclidean\(\)](#) rather than directly by users.

## Value

A data frame with three columns:

**ix** Integer; row index in `embedx` of the matched record.

**iy** Integer; row index in `embedy` of the matched record.

**stringdist** Numeric; the Euclidean distance between the matched pair's embeddings (named `stringdist` for consistency with discrete matching).

Returns an empty data frame if no matches are found below `MaxDist`.

## See Also

[pFuzzyMatch\\_euclidean\(\)](#) for the higher-level wrapper that returns merged data, [pDistMatch\\_discrete\(\)](#) for string-distance-based matching.

## Examples

```
## Not run:
# Create synthetic embeddings
embedx <- matrix(rnorm(4 * 256), nrow = 4)
embedy <- matrix(rnorm(4 * 256), nrow = 4)

# Compute distances
distances <- pDistMatch_euclidean(embedx = embedx,
                                    embedy = embedy,
                                    MaxDist = 5.0)

## End(Not run)
```

## Description

Performs fuzzy matching between two data frames using string distance measures (e.g., Jaccard, OSA, Jaro-Winkler). This is a wrapper around [pDistMatch\\_discrete\(\)](#) that returns the merged data frame with matched records.

**Usage**

```
pFuzzyMatch_discrete(
  x = NULL,
  by.x = NULL,
  embedx = NULL,
  y = NULL,
  by.y = NULL,
  embedy = NULL,
  embedDistMetric = NULL,
  MaxDist = NULL,
  qgram = 2,
  DistanceMeasure = "jaccard",
  AveMatchNumberPerAlias = NULL,
  nCores = NULL,
  ...
)
```

**Arguments**

x, y	Data frames to be merged.
by.x	Character string; column name in x containing organization names.
embedx, embedy	Optional embedding matrices (not used in discrete matching, included for API consistency).
by.y	Character string; column name in y containing organization names.
embedDistMetric	Optional custom distance metric (not used in discrete matching).
MaxDist	Numeric; maximum allowed distance between matched strings. Pairs with distances greater than this threshold are excluded. If AveMatchNumberPerAlias is specified, it takes priority.
qgram	Integer; the q-gram size for string distance calculation. Default is 2.
DistanceMeasure	Character; algorithm for computing pairwise string distances. Options include "jaccard", "osa", "jw". See <code>?stringdist::stringdist</code> for all options. Default is "jaccard".
AveMatchNumberPerAlias	Numeric; target average number of matches per alias. If specified, automatically calibrates MaxDist using <a href="#">GetCalibratedDistThres()</a> .
nCores	Integer; number of CPU cores for parallel processing. Default is NULL (uses single core).
...	Additional arguments (currently unused).

**Details**

This function uses trigram indexing to efficiently filter candidate matches before computing exact string distances. This approach significantly speeds up matching for large datasets.

**Value**

A data frame containing matched records from x and y, with columns from both data frames (suffixed with .x and .y respectively) and a `stringdist` column indicating the distance between each matched pair.

**See Also**

[pDistMatch\\_discrete\(\)](#) for the underlying distance computation, [GetCalibratedDistThres\(\)](#) for automatic threshold calibration, [pFuzzyMatch\\_euclidean\(\)](#) for embedding-based matching.

**Examples**

```
# Create synthetic data
x_orgnames <- c("apple", "oracle", "enron inc.", "mcdonalds corporation")
y_orgnames <- c("apple corp", "oracle inc", "enron", "mcdonalds co")
x <- data.frame("orgnames_x" = x_orgnames)
y <- data.frame("orgnames_y" = y_orgnames)

# Perform fuzzy matching
matched <- pFuzzyMatch_discrete(x = x,
                                  y = y,
                                  by.x = "orgnames_x",
                                  by.y = "orgnames_y",
                                  MaxDist = 0.5)
```

**pFuzzyMatch\_euclidean** *Fuzzy Match with Euclidean Distance on Embeddings*

**Description**

Performs fuzzy matching between two data frames using Euclidean distance on pre-computed embeddings. This is a wrapper around [pDistMatch\\_euclidean\(\)](#) that returns the merged data frame with matched records.

**Usage**

```
pFuzzyMatch_euclidean(
  x = NULL,
  by.x = NULL,
  embedx = NULL,
  y = NULL,
  by.y = NULL,
  embedy = NULL,
  embedDistMetric = NULL,
  MaxDist = NULL,
  AveMatchNumberPerAlias = NULL,
  ...
)
```

**Arguments**

x, y	Data frames to be merged.
by.x	Character string; column name in x containing organization names.
embedx, embedy	Numeric matrices containing embeddings for records in x and y respectively. Rows correspond to observations and columns to embedding dimensions. These are typically produced by the ML backend (see <a href="#">LinkOrgs()</a> with algorithm = "ml").

by.y	Character string; column name in y containing organization names.
embedDistMetric	Optional custom distance metric function for computing distances between embeddings. If NULL, Euclidean distance is used.
MaxDist	Numeric; maximum allowed Euclidean distance between matched embeddings. Pairs with distances greater than this threshold are excluded. If AveMatchNumberPerAlias is specified, it takes priority.
AveMatchNumberPerAlias	Numeric; target average number of matches per alias. If specified, automatically calibrates MaxDist using <a href="#">GetCalibratedDistThres()</a> .
...	Additional arguments (currently unused).

## Details

This function is typically used internally by `LinkOrgs()` when `algorithm = "ml"` or `DistanceMeasure = "ml"`. It computes Euclidean distances between embedding vectors rather than string distances.

## Value

A data frame containing matched records from x and y, with columns from both data frames (suffixed with .x and .y respectively) and a stringdist column indicating the Euclidean distance between each matched pair's embeddings.

#### See Also

`pDistMatch_euclidean()` for the underlying distance computation, `GetCalibratedDistThres()` for automatic threshold calibration, `pFuzzyMatch_discrete()` for string-distance-based matching.

## Examples

<code>print2</code>	<i>print2</i>
---------------------	---------------

## Description

Prints a message with a timestamp prefix.

## Usage

```
print2(text, quiet = F)
```

## Arguments

<code>text</code>	Character string to print.
<code>quiet</code>	Logical; if TRUE, suppress output. Default is FALSE.

## Value

Invisibly returns NULL. Called for its side effect of printing.

## Examples

```
print2("Hello world!")
```

<code>url2dt</code>	<i>Download CSV from URL to data.table</i>
---------------------	--

## Description

Downloads a zipped CSV file from a URL and loads it into memory as a data.table. Automatically handles Dropbox URLs by converting them to direct download links.

## Usage

```
url2dt(url)
```

## Arguments

<code>url</code>	Character string; the URL pointing to a .csv.zip or .csv.gz file. Dropbox share links are automatically converted to direct download URLs.
------------------	--

## Details

This function:

1. Converts Dropbox share links to direct download URLs using [dropboxURL2downloadURL\(\)](#)
2. Downloads the file to a temporary directory
3. Unzips (if .zip) or decompresses (if .gz) the file
4. Reads the CSV file using `data.table:::fread()`
5. Cleans up the temporary file

**Value**

A data.table containing the downloaded data.

**See Also**

[dropboxURL2downloadURL\(\)](#) for URL conversion, [data.table::fread\(\)](#) for the underlying CSV reader.

**Examples**

```
## Not run:  
# Download from Dropbox  
my_dt <- url2dt("https://www.dropbox.com/s/example/data.csv.zip?dl=0")  
  
## End(Not run)
```

# Index

AssessMatchPerformance, 2  
BuildBackend, 3  
data.table::fread(), 16, 17  
dropboxURL2downloadURL, 4  
dropboxURL2downloadURL(), 16, 17  
GetCalibratedDistThres, 5  
GetCalibratedDistThres(), 13–15  
LinkOrgs, 6  
LinkOrgs(), 4, 14, 15  
pDistMatch\_discrete, 9  
pDistMatch\_discrete(), 12, 14  
pDistMatch\_euclidean, 11  
pDistMatch\_euclidean(), 14, 15  
pFuzzyMatch\_discrete, 12  
pFuzzyMatch\_discrete(), 10, 15  
pFuzzyMatch\_euclidean, 14  
pFuzzyMatch\_euclidean(), 12, 14  
print2, 16  
stringdist::stringdist(), 10  
url2dt, 16  
url2dt(), 5