

## 0.1 zeligDepStatus: Zelig Dependencies Packages Client Status

### Description

Compares Zelig-matrix of dependencies to the locally installed packages. Finds those packages that **Zelig** depends on and are not installed in local environment. Also finds those packages that are locally installed but with lower versions than those required in the dependencies matrix. The Zelig-matrix includes any of dependency fields in the 'DESCRIPTION' files, i.e. depends, imports and suggests, for any packages directly derived from **Zelig** and for any of the models that **Zelig** supports.

### Usage

```
zeligDepStatus(lib.loc = NULL)
```

### Arguments

**lib.loc** a character vector of directory names of R libraries, or NULL. The default value NULL corresponds to all libraries currently known. If the default is used, the loaded packages are searched before the libraries.

### Value

Returns a matrix of packages that are either installed locally with lower versions, or packages not installed but listed in the Zelig-matrix of dependencies. The matrix rows correspond to the packages and the columns contain the following fields

<b>Package</b>	names of packages.
<b>Version</b>	versions locally installed
<b>Zideal</b>	versions required in Zelig-matrix of dependencies.

### Note

If the R version in the local environment is different from the R version that **Zelig** depends on, then, it is reported with a message and no further action is taken. If the installed packages have versions higher than the corresponding values in the Zelig-matrix, it is reported with a message.

### Author(s)

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## References

King, Gary. Zelig: Everyones Statistical Software. <http://gking.harvard.edu/zelig>.

## See Also

`installed.packages` `packageDescription` `zeligDepUpdate`

## Examples

```
## find packages in all libraries currently installed
## Not run: zstatus <- zeligDepStatus()
## find packages only in lib.loc
## Not run: zstatus <- zeligDepStatus(lib.loc=~/.R/mylibrary")
```