BETA

WORKSPACES

Workspaces   gro-share-seq-computational/useful_notebooks_for_teaching_publi

2022_02_25_ArchR_tutorial_atac.ipynb

DASHBOARD   DATA   ANALYSES   WORKFLOWS   JOB HISTORY

PREVIEW (READ-ONLY)   🚀 OPEN   ⬜ PLAYGROUND MODE   ⋮   Cloud environment is ready.

Environmental setup

```
In [ ]:  # installation instructions: https://www.archrproject.com/index.html
```

```
In [ ]:  if (!requireNamespace("devtools", quietly = TRUE)) install.packages("devtools")
```

```
In [2]:  if (!requireNamespace("BiocManager", quietly = TRUE)) install.packages("BiocManager")
```

```
In [ ]:  #this installs a lot of packages and you will wait ~10 minutes.
         devtools::install_github("GreenleafLab/ArchR", ref="master", repos = BiocManager::repositories())

         #Warning in utils::tar(filepath, pkgname, compression = compression, compression_level = 9L,  :
         #     storing paths of more than 100 bytes is not portable:
         #     'ArchR/.github/ISSUE_TEMPLATE/bug-error-report---no-usage-questions---feature-requests--use-discussions-

         #once installed, you'll see a message like this if you re-run this command:
         #Skipping install of 'ArchR' from a github remote, the SHA1 (2ec4b9a7) has not changed since last install.
         #  Use `force = TRUE` to force installation
```

```
Downloading GitHub repo GreenleafLab/ArchR@master

'getOption("repos")' replaces Bioconductor standard repositories, see
'?repositories' for details

replacement repositories:
    CRAN: https://cloud.r-project.org


iterators       (NA          -> 1.0.14    ) [CRAN]
foreach         (NA          -> 1.5.2     ) [CRAN]
GlobalOpt...    (NA          -> 0.1.2     ) [CRAN]
colorspace      (2.0-3       -> 2.1-0     ) [CRAN]
shape           (NA          -> 1.4.6     ) [CRAN]
S4Vectors       (0.36.1      -> 0.36.2    ) [CRAN]
BH              (1.78.0-0    -> 1.81.0-1  ) [CRAN]
Rcpp            (1.0.9       -> 1.0.10    ) [CRAN]
fs              (1.5.2       -> 1.6.2     ) [CRAN]
vctrs           (0.5.1       -> 0.6.2     ) [CRAN]
stringi         (1.7.8       -> 1.7.12    ) [CRAN]
cli             (3.4.1       -> 3.6.1     ) [CRAN]
cachem          (1.0.6       -> 1.0.8     ) [CRAN]
sass            (0.4.4       -> 0.4.6     ) [CRAN]
tinytex         (0.42        -> 0.45      ) [CRAN]
fontawesome     (0.4.0       -> 0.5.1     ) [CRAN]
bslib           (0.4.1       -> 0.4.2     ) [CRAN]
xfun            (0.35        -> 0.39      ) [CRAN]
highr           (0.9         -> 0.10      ) [CRAN]
evaluate        (0.18        -> 0.21      ) [CRAN]
later           (1.3.0       -> 1.3.1     ) [CRAN]
rmarkdown       (2.18        -> 2.21      ) [CRAN]
knitr           (1.41        -> 1.42      ) [CRAN]
yaml            (2.3.6       -> 2.3.7     ) [CRAN]
fastmap         (1.1.0       -> 1.1.1     ) [CRAN]
rlang           (1.0.6       -> 1.1.1     ) [CRAN]
digest          (0.6.30      -> 0.6.31    ) [CRAN]
htmlwidgets     (1.5.4       -> 1.6.2     ) [CRAN]
htmltools       (0.5.4       -> 0.5.5     ) [CRAN]
commonmark      (1.8.1       -> 1.9.0     ) [CRAN]
sourcetools     (0.1.7       -> 0.1.7-1   ) [CRAN]
httpuv          (1.6.6       -> 1.6.10    ) [CRAN]
shiny           (1.7.3       -> 1.7.4     ) [CRAN]
```