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```
% env1
env1$info$info_system_info$machine_nodename = “15687d125320” @Rocker
env1$info$info_system_info$machine_nodename = “application-12164735-deployment-22732286-l5pm” @Posit.Cloud
env1$info$info_system_info$Sys.getlocale$LC_COLLATE = “en_US.utf8”

#@@ START -----
## @ whoami -----
Cf) Ctrl+Alt+Enter @ Rstudio
```

whoami

```
"whoami" |>
  system(intern = TRUE) |>
  cat("\n")
r149319
```

rstudio@Rocker
r149319@SharedWorkspace@MKim0710@Posit.Cloud
r2179046@SharedWorkspace@V@Posit.Cloud
r2179052@SharedWorkspace@MHKim710@Posit.Cloud

echo \$PATH

```
"echo $PATH" |>
  system(intern = TRUE) |>
  cat("\n")
/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/opt/R
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/texlive/bin/linux:/usr/lib/rstudio-server/bin/quarto/bin:/usr/lib/rstudio-server/bin/postback

##@ find -type d texlive -----
## find / -type d -iname texlive
```

```
"find / -type d -iname texlive" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find / -type d -iname texlive", intern = TRUE): running command 'find / -type d -iname texlive' had
status 1
c("/usr/share/doc/texlive-doc/texlive",
  "/usr/share/texlive",
  "/usr/share/texlive/tlpkg/TeXLive",
  "/usr/share/texlive/texmf-dist/scripts/texlive",
  "/var/lib/tex-common/hyphen-cnf/texlive",
  "/var/lib/tex-common/fmtutil-cnf/texlive",
  "/var/lib/tex-common/fontmap-cfg/texlive")
```

c(“/usr/local/texlive”, “/usr/local/texlive/tlpkg/TeXLive”, “/usr/local/texlive/texmf-dist/tex/context/texlive”, “/usr/local/texlive/texmf-dist/scripts/texlive”, “/opt/texlive”)

find / -type d -iname texmf-dist

```
"find / -type d -iname texmf-dist" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find / -type d -iname texmf-dist", intern = TRUE): running command 'find / -type d -iname
texmf-dist' had status 1
c("/usr/share/texlive/texmf-dist")
```

c(“/usr/local/texlive/texmf-dist”)

##@ find -type d packages ————
find /usr/share/texlive -type d -iname “fontspec”
find /usr/local/texlive -type d -iname “fontspec”

```
"find /usr/share/texlive -type d -iname \"fontspec\"" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/tex/latex/fontspec")
```

```
"find /usr/local/texlive -type d -iname \"fontspec\"" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"fontspec\"", : running command 'find /usr/local/texlive
-type d -iname "fontspec" had status 1
c("")
```

c(“/usr/share/texlive/texmf-dist/tex/latex/fontspec”) c(“/usr/local/texlive/texmf-dist/tex/latex/fontspec”)

find /usr/share/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf

find /usr/local/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf

```
"find /usr/share/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf \"%f\\n\"" |>
  system(intern = TRUE) |>
  sort() |>
  dput()
c("12many", "a0poster", "a4wide", "a5comb", "aastex", "abc",
"abnt", "abntex2", "abracas", "abstract", "academicons", "accanthis",
"accents", "accessibility", "accfonts", "accsupp", "achemso",
"acmart", "acmconf", "acro", "acronym", "acroterm", "active-conf",
"actuarialangle", "actuarialsymbol", "addfont", "addlines", "adfathesis",
"adform", "adfsymbols", "adigraph", "adjmulticol", "adjustbox",
"adrconv", "adtrees", "advdate", "ae", "aecc", "aeguill", "afparticle",
"afthesis", "aguplus", "aiaa", "akktex", "akletter", "alegreya",
>alertmessage", "alg", "algbobox", "algor revived", "algorithm2e",
"algorithmicx", "algorithms", "algxpar", "aligned-overset", "allrunes",
"almendra", "alnumsec", "alterqcm", "altfont", "ametsoc", "amiri",
"amsaddr", "amscdx", "amscs", "amsfonts", "amsmath", "amsrefs",
"animate", "anonchap", "anonymouspro", "answers", "antiqua",
"antt", "anyfontsize", "anysize", "aobs-tikz", "aomart", "apa",
"apa6", "apa6e", "apa7", "apacite", "appendix", "appendixnumberbeamer",
"apptools", "apxproof", "arabi", "arabi-add", "arabicfront",
"arabtex", "aramaic-serto", "archaeologie", "archaic", "arcs",
"arev", "arimo", "armenian", "arraycols", "arraysort", "arsclassica",
"articleingud", "arydshln", "asaetr", "asapsym", "ascelike",
"ascii-font", "asciilist", "ascmac", "askinclude", "askmaps",
"asmeconf", "asmejour", "aspectratio", "assignment", "assoccnt",
"asyfig", "asypictureb", "atenddvi", "attachfile", "attachfile2",
"atveryend", "aucklandthesis", "augie", "auncial-new", "aurical",
"aur1", "authoraftertitle", "authorarchive", "authordate", "authorindex",
"auto-pst-pdf", "auto-pst-pdf-lua", "autoarea", "autobreak",
"autonum", "autopdf", "auxhook", "avantgar", "avremu", "awesomebox",
"axessibility", "axodraw2", "biencoding", "babelbib", "background",
"backnaur", "bangorcsthesis", "bangorexam", "bangtex", "bankstatement",
"barcodes", "bardiag", "base", "bashful", "basicarith", "baskervald",
"baskervaldx", "baskervillef", "basque-book", "basque-date",
"bbding", "bbm-macros", "bbold", "bchart", "bclogo", "beamer",
"beamer-verona", "beamer2thesis", "beameraudience", "beamerauxtheme",
"beamercolorthemeowl", "beamerdarkthemes", "beamerposter", "beamersubframe",
"beamerswitch", "beamertheme-cuerna", "beamertheme-detlevcm",
```

"beamertheme-epyt", "beamertheme-focus", "beamertheme-light",
 "beamertheme-metropolis", "beamertheme-npbt", "beamertheme-phnompenh",
 "beamertheme-saintpetersburg", "beamertheme-upenn-bc", "beamerthemejltree",
 "beamerthemenirma", "bearwear", "begingreek", "begriff", "beilstein",
 "bengali", "bera", "berenisadf", "betababel", "beton", "beuron",
 "bewerbung", "bez123", "bgreek", "bgteubner", "bguq", "bhceexam",
 "bibarts", "biblatex", "biblatex-abnt", "biblatex-anonymous",
 "biblatex-apa", "biblatex-apa6", "biblatex-archaeology", "biblatex-arthistory-bonn",
 "biblatex-bath", "biblatex-bookinarticle", "biblatex-bookinother",
 "biblatex-bwl", "biblatex-caspervector", "biblatex-chem", "biblatex-chicago",
 "biblatex-claves", "biblatex-dw", "biblatex-enc", "biblatex-ext",
 "biblatex-fiwi", "biblatex-gb7714-2015", "biblatex-gost", "biblatex-historian",
 "biblatex-ieee", "biblatex-ijrsra", "biblatex-iso690", "biblatex-jura2",
 "biblatex-juradiss", "biblatex-lni", "biblatex-luh-ipw", "biblatex-manuscripts-philology",
 "biblatex-mla", "biblatex-morenames", "biblatex-multiple-dm",
 "biblatex-musuos", "biblatex-nature", "biblatex-nejm", "biblatex-nottsclassic",
 "biblatex-opcit-booktitle", "biblatex-oxref", "biblatex-philosophy",
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 "biblatex-source-division", "biblatex-subseries", "biblatex-swiss-legal",
 "biblatex-trad", "biblatex-true-citepages-omit", "bibleref",
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 "bookest", "bookhands", "booklet", "bookman", "bookmark", "booktabs",
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 "errata", "erw-l3", "esami", "esdiff", "ESIEEc", "esindex",
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 "fragments", "framed", "francais-bst", "frankenstein", "frcursive",
 "frege", "frenchmath", "frletter", "frontespizio", "ftc-notebook",
 "ftcap", "ftnextra", "fullblck", "fullminipage", "fullwidth",
 "functan", "fundus-calligra", "fundus-cyr", "fundus-sueterlin",
 "fvextra", "fwlw", "g-brief", "gaceta", "galois", "gamebook",
 "gammas", "gastex", "gatech-thesis", "gatherenum", "gauss", "gb4e",
 "gbt7714", "gcard", "gchords", "gcite", "gender", "gene-logic",
 "genealogytree", "genmpage", "gentium-tug", "gentombow", "geometry",
 "germbib", "germkorr", "geschichtsfrkl", "getfiledate", "getitems",
 "getmap", "gfsartemis", "gfsbaskerville", "gfsbodoni", "gfscomplutum",
 "gfsdidot", "gfsneohellenic", "gfsneohellenicmath", "gfsperson",
 "gfssolomos", "ghab", "ghsystem", "gillcm", "gillius", "ginc1tex",
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 "gitver", "globalvals", "glosmathtools", "gloss", "glossaries",
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"uowthesis", "uowthesistitlepage", "upmethodology", "uppunctlm",
"upquote", "urcls", "uri", "url", "urwchancal", "usebib", "ushort",
"uspace", "uspatent", "ut-thesis", "utexasthesis", "uwmslide",
"uwthesis", "variablelm", "varindex", "varsfromjobname", "varwidth",
"vdmlisting", "velthuis", "venndiagram", "venturis", "venturis2",
"venturisadf", "venturisol", "venturissans", "venturissans2",
"verbasef", "verbatimbox", "verbatimcopy", "verbdef", "verbments",
"verifica", "verse", "version", "versions", "versionotes", "vertbars",
"vgrid", "vhistory", "vmargin", "vntex", "vocaltract", "volumes",
"vpe", "vruler", "vtable", "vwcol", "wallpaper", "warning", "warpcol",
"was", "wasysym", "webquiz", "widetable", "widows-and-orphans",
"williams", "windycity", "withargs", "wnri-latex", "wordcount",
"wordlike", "worksheet", "wrapfig", "wsemclassic", "wsuipa",
"wtref", "xargs", "xassocnt", "xbmks", "xcharter", "xcite",
"xcjk2uni", "xcntperchap", "xcolor", "xcolor-material", "xcolor-solarized",
"xcookybooky", "xcpdftips", "xdoc", "xduthesis", "xebaposter",
"xecyrmongolian", "xellipsis", "xfakebold", "xfor", "xhfill",
"xifthen", "xindex", "xkcdcolors", "xkeyval", "xltabular", "xmpinl",
"xnewcommand", "xoptarg", "xpatch", "xpeek", "xpiano", "xpicture",
"xpinyin", "xprintlen", "xpunctuate", "xq", "xsavebox", "xsim",
"xskak", "xtab", "xtuthesis", "xurl", "xwatermark", "xyling",
"xymtex", "xytree", "yafoot", "yagusylo", "yaletter", "yathesis",
"ycbook", "ydoc", "yfonts", "yhmath", "york-thesis", "youngtab",
"yplan", "ytableau", "zapfchan", "zapfding", "zebra-goodies",
"zed-csp", "zhlineskip", "zhlipsum", "zhmetrics", "zhnumber",
"ziffer", "zlmtt", "zref", "zwgetfdate", "zwpagelayout", "zxjafbfont",
"zxjafont", "zxjatype")
```

```
"find /usr/local/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf \"%f\\n\\\" |>
  system(intern = TRUE) |>
  sort() |>
  dput()
```

```
Warning in system("find /usr/local/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf \"%f\\n\\", : running command 'find /usr/local/texlive/texmf-dist/tex/latex -maxdepth 1 -type d -printf \"%f\\n\\' had status 1
character(0)
```

c(“ae”, “amsfonts”, “amsmath”, “atveryend”, “auxhook”, “base”, “bookmark”, “cascadia-code”, “cjk”, “cjk-ko”, “epstopdf-pkg”, “etoolbox”, “euenc”, “fancyvrb”, “fra”, “firstaid”, “fonts-tlwg”, “fontspec”, “framed”, “geometry”, “graphics”, “graphics-cfg”, “graphics-def”, “hycolor”, “hyperref”, “inconsolata”, “koma-script”, “kvoptions”, “kvsetkeys”, “l3backend”, “l3kernel”, “l3packages”, “latex”, “latexconfig”, “letltxmacro”, “listings”, “lm”, “mdwtools”, “parskip”, “refcount”, “rerunfilecheck”, “roboto”, “stmaryrd”, “tex-ini-files”, “tikzfill”, “tipa”, “tools”, “unicode-math”, “url”, “xcolor”, “xkeyval”, “xpatch”, “zapfding”)

`find /usr/share/texlive -type d -iname “roboto”`

`find /usr/local/texlive -type d -iname “roboto”`

```
"find /usr/share/texlive -type d -iname \"roboto\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/type1/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/enc/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/vf/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/map/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/truetype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/tfm/google/roboto",
  "/usr/share/texlive/texmf-dist/tex/latex/roboto")
```

```
"find /usr/local/texlive -type d -iname \"roboto\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"roboto\\", intern = TRUE): running command 'find /usr/local/texlive -type d -iname \"roboto\"' had status 1
c("")
```

`find /usr/share/texlive -type d -iname “cascadia*code”`

`find /usr/local/texlive -type d -iname “cascadia*code”`

```
"find /usr/share/texlive -type d -iname \"cascadia*code\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("")
```

```
"find /usr/local/texlive -type d -iname \"cascadia*code\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"cascadia*code\\", : running command 'find /usr/local/texlive -type d -iname \"cascadia*code\"' had status 1
c("")
```



```
/usr/local/texlive -type d -iname "cascadia*code" had status 1
c("")
```

```
##@ find -type d fonts ————
## find /usr/share/texlive -type d -iname “font[s]”
## find /usr/local/texlive -type d -iname “font[s]”
```

```
"find /usr/share/texlive -type d -iname \"font[s ]\"" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts",
  "/usr/share/texlive/texmf-dist/tex/csplain/fonts")
```

```
"find /usr/local/texlive -type d -iname \"font[s ]\"" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"font[s ]\"", : running command 'find /usr/local/texlive
-type d -iname "font[s ]"' had status 1
c("")
```

c(“/usr/local/texlive/texmf-dist/tex/context/fonts”, “/usr/local/texlive/texmf-dist/metapost/context/fonts”, “/usr/local/texlive/texmf-dist/fonts”)

ls -F /usr/share/texlive/texmf-dist/fonts

ls -F /usr/local/texlive/texmf-dist/fonts

```
"ls -F /usr/share/texlive/texmf-dist/fonts" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("afm/",
  "cmap/",
  "enc/",
  "lig/",
  "map/",
  "misc/",
  "ofm/",
  "opentype/",
  "ovf/",
  "ovp/",
  "pk/",
  "sfd/",
  "source/",
  "tfm/",
  "truetype/",
  "type1/",
  "type3/",
  "vf/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts", intern = TRUE): running command 'ls -F
/usr/local/texlive/texmf-dist/fonts' had status 2
c("")
```

c(“afm/”, “cid/”, “cmap/”, “enc/”, “map/”, “misc/”, “opentype/”, “pk/”, “source/”, “tfm/”, “type1/”, “vf/”)

ls -F /usr/share/texlive/texmf-dist/fonts/opentype

ls -F /usr/local/texlive/texmf-dist/fonts/opentype

```
"ls -F /usr/share/texlive/texmf-dist/fonts/opentype" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("adobe/",
  "arkandis/",
  "gnome/",
  "google/",
  "gust/",
  "huerta/",
  "ibm/",
  "iginomarini/",
  "impallari/",
  "kosch/",
  "novel/",
  "nowacki/",
  "omnibus-type/",
  "public/",
  "rozynski/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/opentype" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/opentype", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/opentype' had status 2
c("")
```

c("google/", "public/")

ls -F /usr/share/texlive/texmf-dist/fonts/opentype/public

```
"ls -F /usr/share/texlive/texmf-dist/fonts/opentype/public" |>
  system(intern = TRUE) |>
  env1$ff_vec.dput_line_by_line()
c("Asana-Math/",
  "algolrevived/",
  "almfixed/",
  "antt/",
  "baskervaldx/",
  "baskervillef/",
  "beuron/",
  "ccicons/",
  "chivo/",
  "clara/",
  "cm-unicode/",
  "cochineal/",
  "coelacanth/",
  "countriesofeurope/",
  "cyklop/",
  "dantelogo/",
  "domitian/",
  "drm/",
  "ebgaramond/",
  "erewhon/",
  "erewhon-math/",
  "fandol/",
  "fbb/",
  "fdsymbol/",
  "fetamont/",
  "fira/",
  "firamath/",
  "fontawesome/",
  "fontawesome5/",
  "fonts-churchslavonic/",
  "fonts-tlwg/",
  "fourier/",
  "frederika2016/",
  "garamond-libre/",
  "garamond-math/",
  "gfsartemisia/",
  "gfsbaskerville/",
  "gfsbodoni/",
  "gfscomplutum/",
  "gfsdidot/",
  "gfsdidotclassic/",
  "gfsneohellenic/",
  "gfsneohellenicmath/",
  "gfsporson/",
  "gfssolomos/",
  "gnu-freefont/",
  "haranoaji/",
  "haranoaji-extra/",
  "heuristica/",
  "inconsolata/",
  "inriafonts/",
  "kerkis/",
  "libertine/",
  "libertinus-fonts/",
  "linguisticspro/",
  "logix/",
  "mdsymbol/",
  "miama/",
  "missaali/",
  "mnsymbol/",
  "montserrat/",
  "newcomputermodern/",
  "newpx/",
  "newtx/",
  "nimbus15/",
  "ocr-b-outline/",
  "oldstandard/",
  "phaistos/",
  "philokalia/",
  "playfair/",
  "punknova/",
  "qualitype/",
  "rosario/",
  "scholax/",
  "semaphor/",
  "shobhika/",
  "skaknew/",
  "step/",
  "stix/",
  "stix2-otf/",
  "svrsymbols/",
  "tempora/",
```

```
"txfontsb/",
"umtypewriter/",
"xcharter/",
"xits/",
"yinit-otf/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/opentype/public" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/opentype/public", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/opentype/public' had status 2
c("")
```

ls -F /usr/local/texlive/texmf-dist/fonts/opentype/public c(“cascadia-code/”, “context-companion-fonts/”, “fira/”, “fonts-tlwg/”, “inconsolata/”, “lm/”, “lm-math/”)

ls -F /usr/share/texlive/texmf-dist/fonts/opentype/google

```
"ls -F /usr/share/texlive/texmf-dist/fonts/opentype/google" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("roboto/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/opentype/google' had status 2
c("")
```

ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google c(“roboto/”)

ls -F /usr/share/texlive/texmf-dist/fonts/opentype/google/roboto

```
"ls -F /usr/share/texlive/texmf-dist/fonts/opentype/google/roboto" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("Roboto-Black.otf",
  "Roboto-BlackItalic.otf",
  "Roboto-Bold.otf",
  "Roboto-BoldItalic.otf",
  "Roboto-Italic.otf",
  "Roboto-Light.otf",
  "Roboto-LightItalic.otf",
  "Roboto-Medium.otf",
  "Roboto-MediumItalic.otf",
  "Roboto-Regular.otf",
  "Roboto-Thin.otf",
  "Roboto-ThinItalic.otf",
  "RobotoCondensed-Bold.otf",
  "RobotoCondensed-BoldItalic.otf",
  "RobotoCondensed-Italic.otf",
  "RobotoCondensed-Light.otf",
  "RobotoCondensed-LightItalic.otf",
  "RobotoCondensed-Regular.otf",
  "RobotoMono-Bold.otf",
  "RobotoMono-BoldItalic.otf",
  "RobotoMono-Italic.otf",
  "RobotoMono-Light.otf",
  "RobotoMono-LightItalic.otf",
  "RobotoMono-Medium.otf",
  "RobotoMono-MediumItalic.otf",
  "RobotoMono-Regular.otf",
  "RobotoMono-Thin.otf",
  "RobotoMono-ThinItalic.otf",
  "RobotoSlab-Bold.otf",
  "RobotoSlab-Light.otf",
  "RobotoSlab-Regular.otf",
  "RobotoSlab-Thin.otf")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google/roboto" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google/roboto", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto' had status 2
c("")
```

ls -F /usr/local/texlive/texmf-dist/fonts/opentype/google/roboto c(“Roboto-BlackItalic.otf”, “Roboto-Black.otf”, “Roboto-BoldItalic.otf”, “Roboto-Bold.otf”, “RobotoCondensed-BoldItalic.otf”, “RobotoCondensed-Bold.otf”, “RobotoCondensed-Italic.otf”, “RobotoCondensed-LightItalic.otf”, “RobotoCondensed-Light.otf”, “RobotoCondensed-Regular.otf”, “Roboto-Italic.otf”, “Roboto-LightItalic.otf”, “Roboto-Light.otf”, “Roboto-MediumItalic.otf”, “Roboto-Medium.otf”, “RobotoMono-BoldItalic.otf”, “RobotoMono-Bold.otf”, “RobotoMono-Italic.otf”, “RobotoMono-LightItalic.otf”, “RobotoMono-Light.otf”, “RobotoMono-MediumItalic.otf”,

“RobotoMono-Medium.otf”, “RobotoMono-Regular.otf”, “RobotoMono-ThinItalic.otf”, “RobotoMono-Thin.otf”, “Roboto-Regular.otf”, “RobotoSerif-BlackItalic.otf”, “RobotoSerif-Black.otf”, “RobotoSerif-BoldItalic.otf”, “RobotoSerif-Bold.otf”, “RobotoSerif_Condensed-BlackItalic.otf”, “RobotoSerif_Condensed-Black.otf”, “RobotoSerif_Condensed-BoldItalic.otf”, “RobotoSerif_Condensed-Bold.otf”, “RobotoSerif_Condensed-ExtraBoldItalic.otf”, “RobotoSerif_Condensed-ExtraBold.otf”, “RobotoSerif_Condensed-ExtraLightItalic.otf”, “RobotoSerif_Condensed-ExtraLight.otf”, “RobotoSerif_Condensed-Italic.otf”, “RobotoSerif_Condensed-LightItalic.otf”, “RobotoSerif_Condensed-Light.otf”, “RobotoSerif_Condensed-MediumItalic.otf”, “RobotoSerif_Condensed-Medium.otf”, “RobotoSerif_Condensed-Regular.otf”, “RobotoSerif_Condensed-SemiBoldItalic.otf”, “RobotoSerif_Condensed-SemiBold.otf”, “RobotoSerif_Condensed-ThinItalic.otf”, “RobotoSerif_Condensed-Thin.otf”, “RobotoSerif-ExtraBoldItalic.otf”, “RobotoSerif-ExtraBold.otf”, “RobotoSerif-ExtraLightItalic.otf”, “RobotoSerif-ExtraLight.otf”, “RobotoSerif-Italic.otf”, “RobotoSerif-LightItalic.otf”, “RobotoSerif-Light.otf”, “RobotoSerif-MediumItalic.otf”, “RobotoSerif-Medium.otf”, “RobotoSerif-Regular.otf”, “RobotoSerif-SemiBoldItalic.otf”, “RobotoSerif-SemiBold.otf”, “RobotoSerif-ThinItalic.otf”, “RobotoSerif-Thin.otf”, “RobotoSlab-Bold.otf”, “RobotoSlab-Light.otf”, “RobotoSlab-Regular.otf”, “RobotoSlab-Thin.otf”, “Roboto-ThinItalic.otf”, “Roboto-Thin.otf”)

ls -F /usr/share/texlive/texmf-dist/fonts/truetype

ls -F /usr/local/texlive/texmf-dist/fonts/truetype

```
"ls -F /usr/share/texlive/texmf-dist/fonts/truetype" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("aajohan/",
  "ascender/",
  "bh/",
  "catharsis/",
  "google/",
  "huerta/",
  "impallari/",
  "intel/",
  "muhafara/",
  "ndiscovered/",
  "paratype/",
  "public/",
  "sorkin/",
  "typoland/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/truetype" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/truetype", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/truetype' had status 2
c("")
```

c(“ “)

ls -F /usr/share/texlive/texmf-dist/fonts/truetype/public

```
"ls -F /usr/share/texlive/texmf-dist/fonts/truetype/public" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("Asana-Math/",
  "academicons/",
  "alkalami/",
  "almendra/",
  "almfixed/",
  "amiri/",
  "anonymouspro/",
  "arphic-ttf/",
  "baekmuk/",
  "belleek/",
  "crimsonpro/",
  "cuprum/",
  "dejavu/",
  "fonetika/",
  "fontmfizz/",
  "fonts-churchslavonic/",
  "forum/",
  "gentium-tug/",
  "gnu-freefont/",
  "gregoriotex/",
  "hmtrump/",
  "inriafonts/",
  "ipaex/",
  "junicode/",
  "lato/",
  "lexend/",
  "logix/",
  "marcellus/",
  "padauk/",
  "poiretone/",
  "theanodidot/",
  "theanomodern/",
  "theanooldstyle/",
  "typicons/",
  "unfonts-core/",
  "unfonts-extra/")
```

```
"ls -F /usr/local/texlive/texmf-dist/fonts/truetype/public" |>
  system(intern = TRUE) |>
```



```

    env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/truetype/public", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/truetype/public' had status 2
c("")

```

```
ls -F /usr/local/texlive/texmf-dist/fonts/truetype/public
```

```
ls -F /usr/share/texlive/texmf-dist/fonts/truetype/google
```

```

"ls -F /usr/share/texlive/texmf-dist/fonts/truetype/google" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
c("arimo/",
  "noto/",
  "roboto/",
  "tinotinos/")

```

```

"ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/truetype/google' had status 2
c("")

```

```
ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google
```

```
ls -F /usr/share/texlive/texmf-dist/fonts/truetype/google/roboto
```

```

"ls -F /usr/share/texlive/texmf-dist/fonts/truetype/google/roboto" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
c("Roboto-Black.ttf@",
  "Roboto-BlackItalic.ttf@",
  "Roboto-Bold.ttf@",
  "Roboto-BoldItalic.ttf@",
  "Roboto-Italic.ttf@",
  "Roboto-Light.ttf@",
  "Roboto-LightItalic.ttf@",
  "Roboto-Medium.ttf@",
  "Roboto-MediumItalic.ttf@",
  "Roboto-Regular.ttf@",
  "Roboto-Thin.ttf@",
  "Roboto-ThinItalic.ttf@",
  "RobotoCondensed-Bold.ttf@",
  "RobotoCondensed-BoldItalic.ttf@",
  "RobotoCondensed-Italic.ttf@",
  "RobotoCondensed-Light.ttf@",
  "RobotoCondensed-LightItalic.ttf@",
  "RobotoCondensed-Regular.ttf@")

```

```

"ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google/roboto" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
Warning in system("ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google/roboto", : running command 'ls -F
/usr/local/texlive/texmf-dist/fonts/truetype/google/roboto' had status 2
c("")

```

```

ls -F /usr/local/texlive/texmf-dist/fonts/truetype/google/roboto  ##@ find -type d/f fontname ————
### find /usr/share/texlive -type d -iname "roboto"
### find /usr/local/texlive -type d -iname "roboto"

```

```

"find /usr/share/texlive -type d -iname \"*roboto*\" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/type1/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/enc/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/vf/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/map/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/truetype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/tfm/google/roboto",
  "/usr/share/texlive/texmf-dist/tex/latex/roboto")

```

```

"find /usr/local/texlive -type d -iname \"*roboto*\" |>
  system(intern = TRUE) |>
    env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"*roboto*\"", : running command 'find /usr/local/texlive
-type d -iname "*roboto*' had status 1
c("")

```

```

c("/usr/local/texlive/texmf-dist/tex/latex/roboto", "/usr/local/texlive/texmf-dist/fonts/enc/dvips/roboto", "/usr/local/texlive/texmf-dist/fonts/map/dvips/roboto",
"/usr/local/texlive/texmf-dist/fonts/type1/google/roboto", "/usr/local/texlive/texmf-dist/fonts/vf/google/roboto", "/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto",

```

“/usr/local/texlive/texmf-dist/fonts/tfm/google/roboto”)

find /usr/share/texlive -type f -iname “*roboto*”

```
"find /usr/share/texlive -type d -iname \"*roboto*\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/type1/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/enc/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/vf/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/map/dvips/roboto",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/truetype/google/roboto",
  "/usr/share/texlive/texmf-dist/fonts/tfm/google/roboto",
  "/usr/share/texlive/texmf-dist/tex/latex/roboto")
```

```
"find /usr/local/texlive -type d -iname \"*roboto*\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"*roboto*\"", : running command 'find /usr/local/texlive
-type d -iname "*roboto*' had status 1
c("")
```

find /usr/local/texlive -type f -iname “*roboto*” c(“/usr/local/texlive/texmf-dist/tex/latex/roboto”, “/usr/local/texlive/texmf-dist/fonts/enc/dvips/roboto”, “/usr/local/texlive/texmf-dist/fonts/map/dvips/roboto”, “/usr/local/texlive/texmf-dist/fonts/type1/google/roboto”, “/usr/local/texlive/texmf-dist/fonts/vf/google/roboto”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto”, “/usr/local/texlive/texmf-dist/fonts/tfm/google/roboto”)

find /usr/share/texlive -type f -iname “*robotomono*?.?tf”

```
"find /usr/share/texlive -type f -iname \"*robotomono*?.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-BoldItalic.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-LightItalic.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-ThinItalic.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Medium.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Light.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Italic.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Thin.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Regular.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Bold.otf",
  "/usr/share/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-MediumItalic.otf")
```

```
"find /usr/local/texlive -type f -iname \"*robotomono*?.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type f -iname \"*robotomono*?.?tf\"", : running command 'find
/usr/local/texlive -type f -iname "*robotomono*?.?tf"' had status 1
c("")
```

find /usr/local/texlive -type f -iname “*robotomono*?.?tf” c(“/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Light.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Medium.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-MediumItalic.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Bold.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-ThinItalic.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Regular.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-BoldItalic.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Thin.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-Italic.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/google/roboto/RobotoMono-LightItalic.otf”)

find /usr/share/texlive -type d -iname “*inconsolata*”

find /usr/local/texlive -type d -iname “*inconsolata*”

```
"find /usr/share/texlive -type d -iname \"*inconsolata*\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/type1/public/inconsolata",
  "/usr/share/texlive/texmf-dist/fonts/enc/dvips/inconsolata",
  "/usr/share/texlive/texmf-dist/fonts/map/dvips/inconsolata",
  "/usr/share/texlive/texmf-dist/fonts/opentype/public/inconsolata",
  "/usr/share/texlive/texmf-dist/fonts/tfm/public/inconsolata",
  "/usr/share/texlive/texmf-dist/tex/latex/inconsolata")
```

```
"find /usr/local/texlive -type d -iname \"*inconsolata*\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"*inconsolata*\"", : running command 'find
/usr/local/texlive -type d -iname "*inconsolata*' had status 1
c("")
```

find /usr/share/texlive -type f -iname “*inconsolata*?.?tf”

```
"find /usr/share/texlive -type f -iname \"*inconsolata*.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("/usr/share/texlive/texmf-dist/fonts/opentype/public/inconsolata/Inconsolatazi4-Regular.otf",
"/usr/share/texlive/texmf-dist/fonts/opentype/public/inconsolata/InconsolataN-Regular.otf",
"/usr/share/texlive/texmf-dist/fonts/opentype/public/inconsolata/InconsolataN-Bold.otf",
"/usr/share/texlive/texmf-dist/fonts/opentype/public/inconsolata/Inconsolatazi4-Bold.otf")
```

```
"find /usr/local/texlive -type f -iname \"*inconsolata*.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type f -iname \"*inconsolata*.?tf\"", : running command 'find
/usr/local/texlive -type f -iname "*inconsolata*.?tf"' had status 1
c("")
```

find /usr/local/texlive -type f -iname “*inconsolata.?*tf” c(“/usr/local/texlive/texmf-dist/fonts/opentype/public/inconsolata/Inconsolatazi4-Bold.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/public/inconsolata/InconsolataN-Bold.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/public/inconsolata/InconsolataN-Regular.otf”, “/usr/local/texlive/texmf-dist/fonts/opentype/public/inconsolata/Inconsolatazi4-Regular.otf”)

find /usr/share/texlive -type d -iname “cascadia*code”

find /usr/local/texlive -type d -iname “cascadia*code”

```
"find /usr/share/texlive -type d -iname \"cascadia*code\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("")
```

```
"find /usr/local/texlive -type d -iname \"cascadia*code\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type d -iname \"cascadia*code\"", : running command 'find
/usr/local/texlive -type d -iname "cascadia*code"' had status 1
c("")
```

find /usr/share/texlive -type f -iname “*cascadia.?*tf”

```
"find /usr/share/texlive -type f -iname \"*cascadia*.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
c("")
```

```
"find /usr/local/texlive -type f -iname \"*cascadia*.?tf\" |>
  system(intern = TRUE) |>
  env1$f_vec.dput_line_by_line()
Warning in system("find /usr/local/texlive -type f -iname \"*cascadia*.?tf\"", : running command 'find
/usr/local/texlive -type f -iname "*cascadia*.?tf"' had status 1
c("")
```

find /usr/local/texlive -type f -iname “*cascadia.?*tf” #@@@ END ———

```
# |-----| #
# |%%%%%%%%%%%%%%%%%%%%%%| # @@ END -----
# |-----| #
# |%%%%%%%%%%%%%%%%%%%%%%| #
# |-----| #
# |+++++| #
# |-----| #
# |-----| #
# |%%%%%%%%%%%%%%%%%%%%%%| #
```