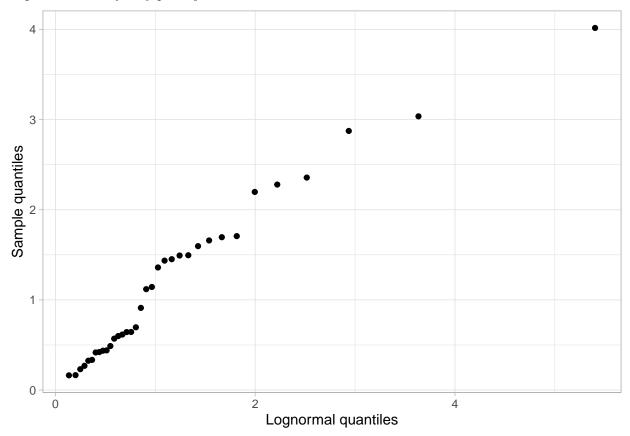
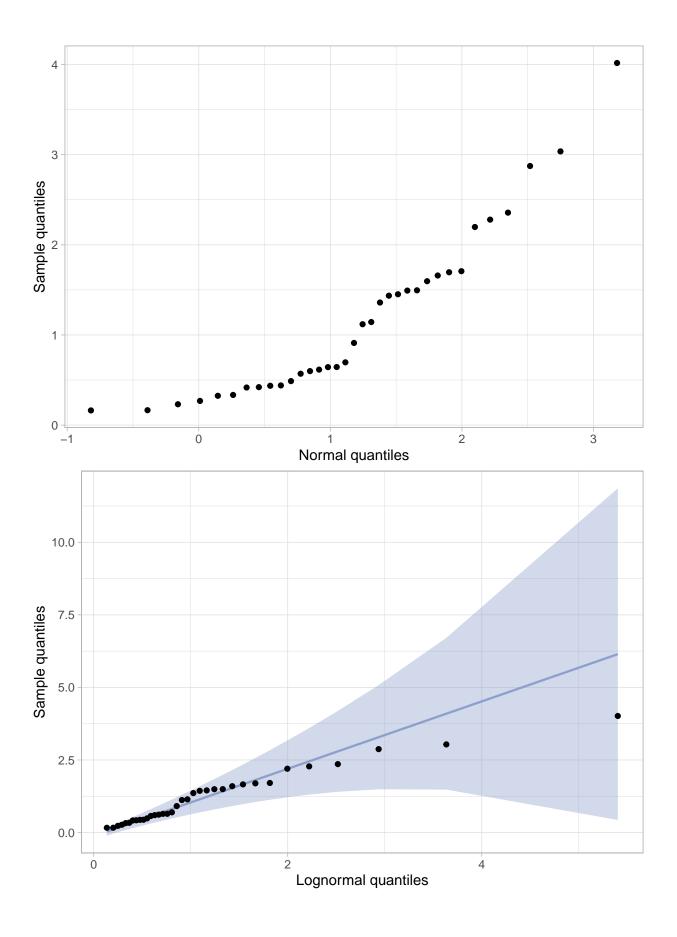
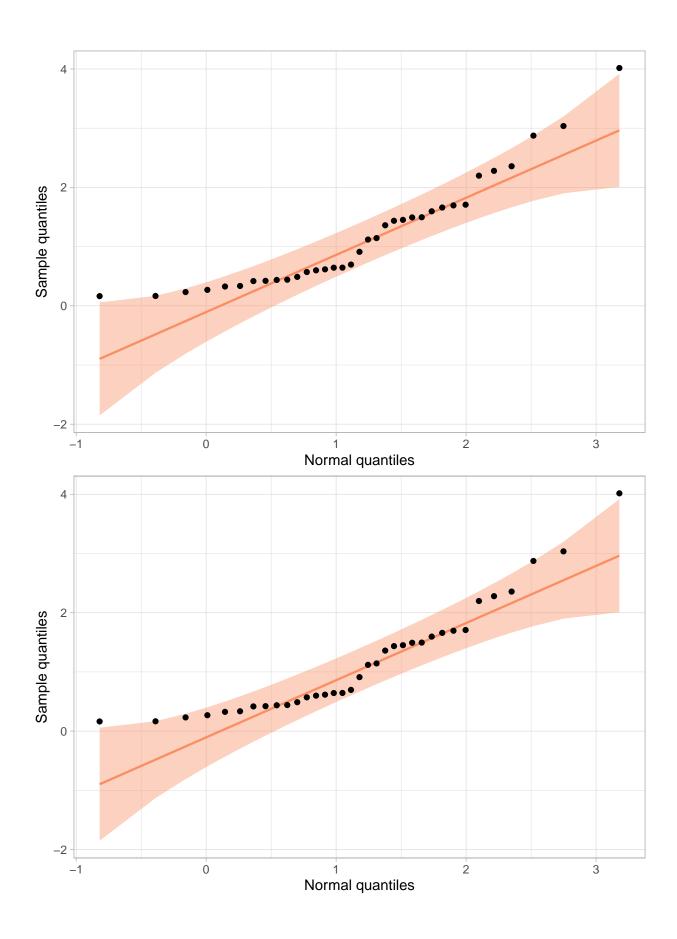
laby2 Jakub Szypuła 3/3/2020

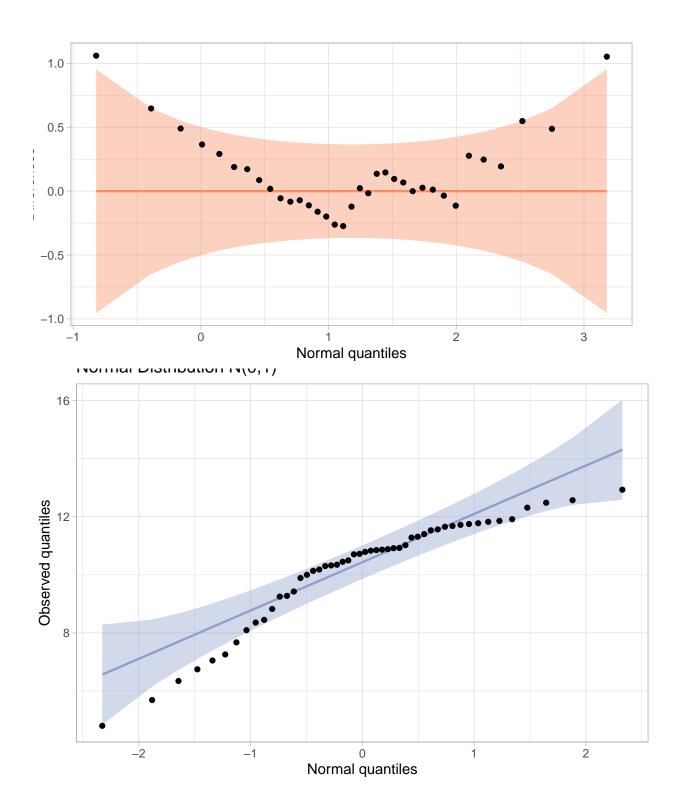
Wykresy

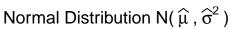
Zreprodukowane wykresy poniżej:

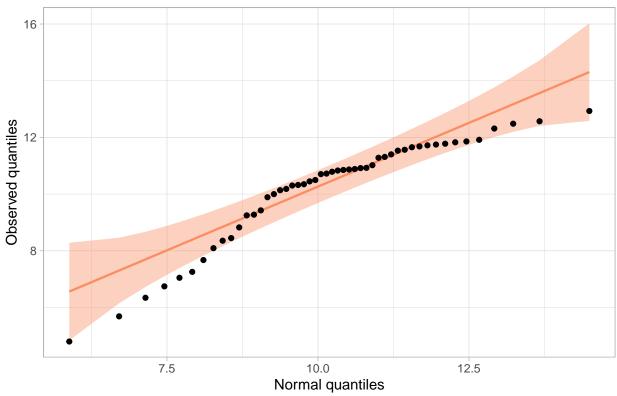




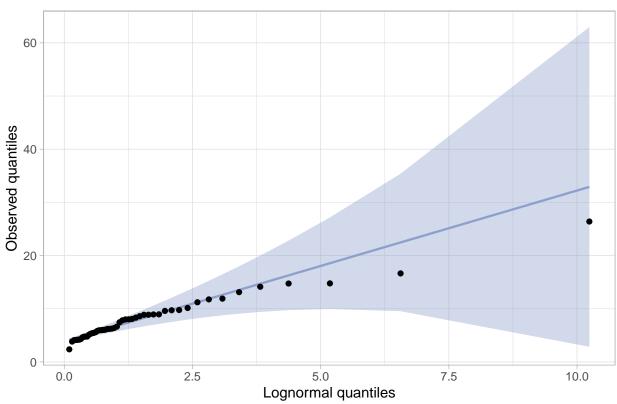




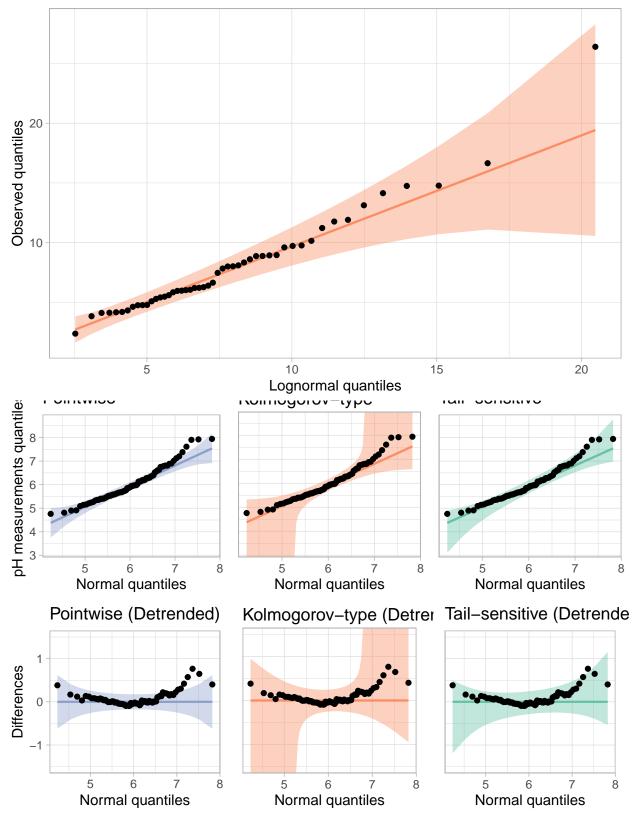


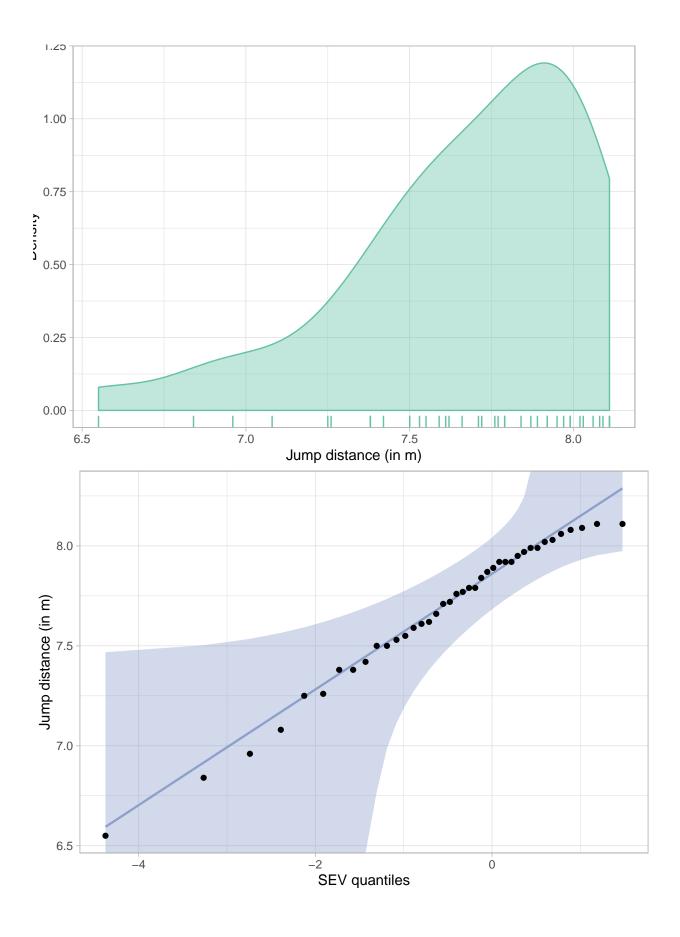


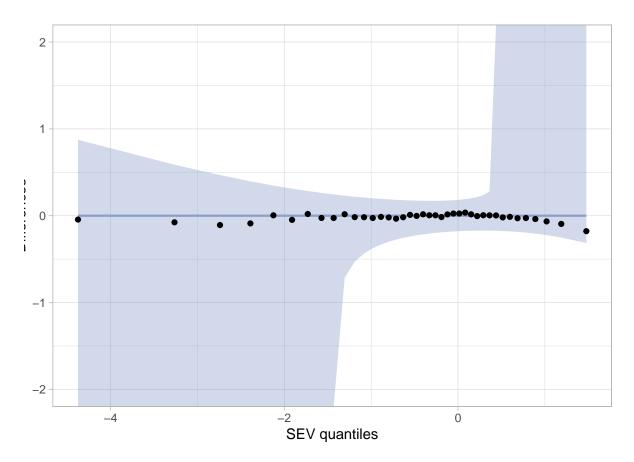
Lognorma Distribution Live, 1)



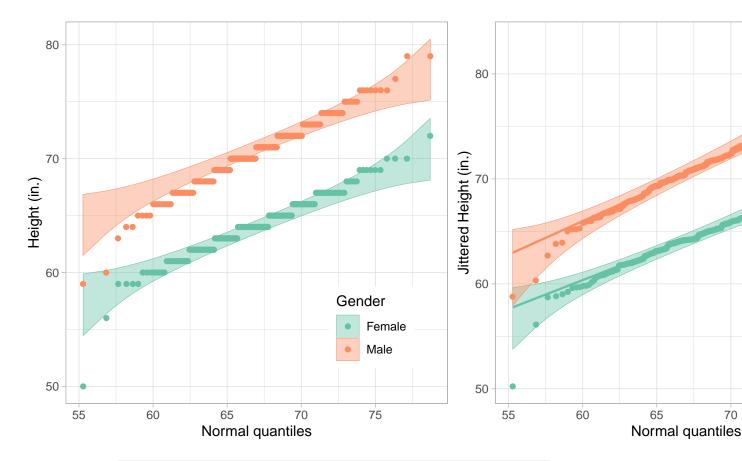




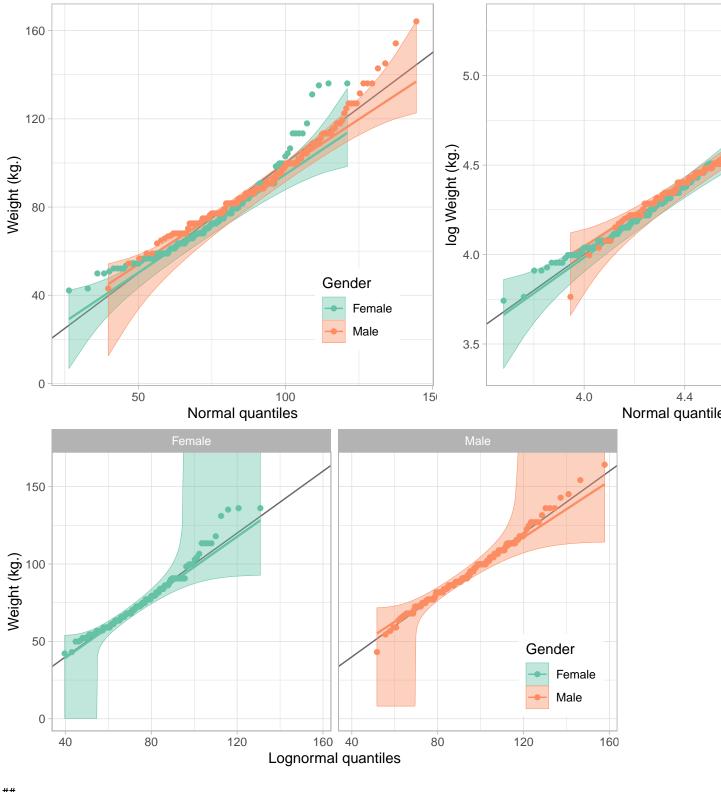




Warning: All elements of `...` must be named.
Did you want `data = c(WTKG3, HTIN4)`?



SEX	mean height (in)	sd (in)	mean log weight (kg)	sd (kg)
Male	70.55043	2.966460	9.100936	0.2011216
Female	64.50972	2.911454	8.887950	0.2254663
Total	66.99109	4.176295	8.978768	0.2397852



```
##
## Attaching package: 'wrapr'
## The following object is masked from 'package:dplyr':
##
```

```
##
       coalesce
5 %.>% sin(.)
## [1] -0.9589243
print(.)
## [1] 5
5 %.>% {1 + .}
## [1] 6
5 %.>% (1 + .)
## [1] 6
library("dplyr")
disp <- 4
mtcars %.>%
 filter(., .data$cyl == .env$disp) %.>%
nrow(.)
## [1] 11
library("ggplot2")
 apply_left.gg <- function(pipe_left_arg,</pre>
     pipe_right_arg,
     pipe_environment,
     left_arg_name,
     pipe_string,
     right_arg_name) {
   pipe_right_arg <- eval(pipe_right_arg,</pre>
     envir = pipe_environment,
     enclos = pipe_environment)
  pipe_left_arg + pipe_right_arg
data.frame(x = 1:20) \%.>\%
mutate(., y = cos(3*x)) %.>%
ggplot(., aes(x = x, y = y)) %.>%
 geom_point() %.>%
 geom_line() %.>%
 ggtitle("piped ggplot2",
 subtitle = "wrapr")
```

```
0.5 -
5 0.0 -
 -0.5 -
 -1.0 -
                         5
                                            10
                                                                15
                                                                                     20
                                               Х
##
## Attaching package: 'rquery'
## The following object is masked from 'package:ggplot2':
##
##
       arrow
class(optree)
## [1] "relop_extend" "relop"
print(optree)
## [1] "mk_td(\"d\", c( \"x\")) %.>% extend(., y := cos(2 * x))"
column_names(optree)
## [1] "x" "y"
columns_used(optree)
## $d
## [1] "x"
# get a database connection
db = DBI::dbConnect(RSQLite::SQLite(),
":memory:")
# make our db connection available to rquery package
options(list("rquery.rquery_db_executor" = list(db = db)))
data.frame(x = 1:3) %.>% optree # apply optree to d
##
     х
                У
```

PIPCU YYPICIZ

wrapr

1.0 -

```
## 1 1 -0.4161468
## 2 2 -0.6536436
## 3 3 0.9601703
d1 \leftarrow data.frame(x = 1)
d2 \leftarrow data.frame(x = 2)
tryCatch(
d1 %.>% d2,
error = function(e) { invisible(cat(format(e))) })
## wrapr::apply_right_S4 default called with classes:
## d1 data.frame
## d2 data.frame
   must have a more specific S4 method defined to dispatch
## NULL
setMethod(
 "apply_right_S4",
 signature = c("data.frame", "data.frame"),
definition = function(pipe_left_arg,
 pipe_right_arg,
pipe_environment,
left_arg_name,
pipe_string,
 right_arg_name) {
rbind(pipe_left_arg, pipe_right_arg)
})
d1 %.>% d2
##
   X
## 1 1
## 2 2
d1 \%.>\% data.frame(x = 2)
##
## 1 2
library("magrittr")
5 %>% sin
## [1] -0.9589243
`%userpipe%` <- magrittr::`%>%`
tryCatch(
5 %userpipe% sin,
error = function(e) {e})
## <simpleError in pipes[[i]]: subscript out of bounds>
`%userpipe%` <- wrapr::`%.>%`
5 %userpipe% sin
## [1] -0.9589243
library("magrittr")
5 %>% substitute
```

value

```
library("magrittr")
5 %>% substitute
## value
tryCatch(
5 %>% base::sin,
error = function(e) {e})
## <simpleError in .::base: unused argument (sin)>
library("wrapr")
5 %.>% substitute
## [1] 5
5 %.>% base::sin
## [1] -0.9589243
d \leftarrow data.frame(x = 1:5, y = c(1, 1, 0, 1, 0))
model <- glm(y~x, family = binomial, data = d)</pre>
apply_right.glm <-
function(pipe_left_arg,
pipe_right_arg,
pipe_environment,
 left_arg_name,
pipe_string,
right_arg_name) {
predict(pipe_right_arg,
newdata = pipe_left_arg,
type = 'response')
}
data.frame(x = c(1, 3)) %.>% model
## 0.9428669 0.6508301
 # get a database connection
 db = DBI::dbConnect(RSQLite::SQLite(),
 ":memory:")
 apply_right.SQLiteConnection <-
 function(pipe_left_arg,
pipe_right_arg,
pipe_environment,
left_arg_name,
pipe_string,
right_arg_name) {
DBI::dbGetQuery(pipe_right_arg, pipe_left_arg)
 "SELECT * FROM sqlite_temp_master" %.>% db
## [1] type
                name
                          tbl_name rootpage sql
## <0 rows> (or 0-length row.names)
 apply_left.character <- function(pipe_left_arg,</pre>
pipe_right_arg,
pipe_environment,
```

```
left_arg_name,
pipe_string,
right_arg_name) {
pipe_right_arg <- eval(pipe_right_arg,</pre>
envir = pipe_environment,
enclos = pipe_environment)
paste0(pipe_left_arg, pipe_right_arg)
"a" %.>% "b" %.>% "c"
## [1] "abc"
apply_left.formula <- function(pipe_left_arg,</pre>
pipe_right_arg,
pipe_environment,
left_arg_name,
pipe_string,
right_arg_name) {
pipe_right_arg <- eval(pipe_right_arg,</pre>
envir = pipe_environment,
enclos = pipe_environment)
pipe_right_arg <- paste(pipe_right_arg, collapse = " + ")</pre>
update(pipe_left_arg, paste(" ~ . +", pipe_right_arg))
 (y~a) %.>% c("b", "c", "d") %.>% "e"
```

y ~ a + b + c + d + e