testing table

Ericka B. Smith

```
(dat <- readRDS(here("results", "table_3_equivalent.rds")))
```

```
## # A tibble: 26 x 4
## # Groups:   lcz [13]
##    lcz   tt    total_n_pixels n_polygons
##    <fct> <chr>          <int>      <int>
##  1 1     test             336         13
##  2 1     train            295         13
##  3 2     test              62          5
##  4 2     train            117          6
##  5 3     test             141          7
##  6 3     train            185          7
##  7 4     test             398          9
##  8 4     train            275         10
##  9 5     test              47          4
## 10 5     train             79          4
## # ... with 16 more rows
```

```
tst <- dat %>%
  ungroup() %>%
  mutate(lcz = fct_drop(lcz, only = "0")) %>%
  pivot_wider(names_from=tt, values_from=c(total_n_pixels, n_polygons)) %>%
  unite("Train", c(n_polygons_train, total_n_pixels_train), sep = "        (") %>%
  unite("Test", c(n_polygons_test, total_n_pixels_test), sep = " (") %>%
  mutate(Train = paste(Train, ")", sep=""),
         Test = paste(Test, ")", sep=""))
#
#
#   relocate(lcz, n_polygons_train, total_n_pixels_train, n_polygons_test, total_n_pixels_test) %>%
#   rename
```

```
# #kable(tst, format="latex", booktabs=T, caption = "etc etc") %>% add_header_above(., c(' '=1, 'Parts'
#  kable(tst, format='latex',align='c',linesep='',booktabs=TRUE,escape=FALSE,
#         col.names = linebreak(colnames(tst),align = 'c')) %>%
#   add_header_above(c(" " = 1, "title" = 2)) %>%
#   #collapse_rows(columns = c(1,3),valign = 'middle')%>%
#   kable_styling(latex_options = c('striped','HOLD_position','scale_down'))
```

```
tibble(lcz = factor(c("7", "7", "9", "9", "15", "15", "16", "16")),#,
       tt = factor(c("train", "test", "train", "test", "train", "test", "train", "test")),
                   total_n_pixels = rep(0, times=8),
                   n_polygons = rep(0, times=8)) %>%
  bind_rows(dat) %>%
```

```
  mutate(lcz = fct_relevel(lcz, c("1", "2","3", "4","5", "6","7", "8","9", "10","11", "12","13", "14","1
  arrange(lcz) %>%
  ungroup() %>%
  pivot_wider(names_from=tt, values_from=c(total_n_pixels, n_polygons)) %>%
  unite("Train", c(n_polygons_train, total_n_pixels_train), sep = "        (") %>%
  unite("Test", c(n_polygons_test, total_n_pixels_test), sep = " (") %>%
  mutate(Train = paste(Train, ")", sep=""),
         Test = paste(Test, ")", sep="")) %>%
  relocate(Test, .after=Train) %>%
  mutate(lcz = fct_recode(lcz, "Class 1: Compact high-rise" = "1",
                      "Class 2: Compact mid-rise" = "2",
                      "Class 3: Compact low-rise" = "3",
                      "Class 4: Open high-rise" = "4",
                      "Class 5: Open mid-rise" = "5",
                      "Class 6: Open low-rise" = "6",
                      "Class 7: Lightweight low-rise" = "7",
                      "Class 8: Large low-rise" = "8",
                      "Class 9: Sparsely built" = "9",
                      "Class 10: Heavy Industry" = "10",
                      "Class 11: Dense trees" = "11",
                      "Class 12: Scattered trees" = "12",
                      "Class 13: Bush, scrub" = "13",
                      "Class 14: Low plants" = "14",
                      "Class 15: Bare rock or paved" = "15",
                      "Class 16: Bare soil or sand" = "16",
                      "Class 17: Water" = "17")) %>%
kable(caption = "Delineation of training and test data by polygon and pixel.", format='latex',linesep='
        col.names = linebreak(c("Local Climate Zone", "Train", "Test"))) %>%
  kable_styling(latex_options = c('striped','HOLD_position'), font_size = 8) %>%
  add_footnote("Number of polygons is listed first, with number of pixels in parentheses.")
```

Table 1: Delineation of training and test data by polygon and pixel.

Local Climate Zone	Train	Test
Class 1: Compact high-rise	13 (295)	13 (336)
Class 2: Compact mid-rise	6 (117)	5 (62)
Class 3: Compact low-rise	7 (185)	7 (141)
Class 4: Open high-rise	10 (275)	9 (398)
Class 5: Open mid-rise	4 (79)	4 (47)
Class 6: Open low-rise	6 (60)	7 (60)
Class 7: Lightweight low-rise	0 (0)	0 (0)
Class 8: Large low-rise	4 (90)	5 (47)
Class 9: Sparsely built	0 (0)	0 (0)
Class 10: Heavy Industry	4 (107)	5 (112)
Class 11: Dense trees	7 (762)	7 (854)
Class 12: Scattered trees	6 (194)	7 (213)
Class 13: Bush, scrub	4 (459)	5 (232)
Class 14: Low plants	6 (346)	6 (222)
Class 15: Bare rock or paved	0 (0)	0 (0)
Class 16: Bare soil or sand	0 (0)	0 (0)
Class 17: Water	5 (1266)	5 (1113)

[a] Number of polygons is listed first, with number of pixels in parentheses.