

Making Table 1

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```
(table_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
```

```
# my_table <- 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")
#   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.") #>%
# my_table

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(table_dat) %>%
  mutate(lcz = fct_relevel(lcz, c("1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17"))) %>%
  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.") %>%
  save_kable("table1.pdf")

```