

Accessibility Mapping for NEKRTC

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2022-03-13

Introduction

Methodology Note

- Step 1: All the excel worksheets of each of the Depot we aggregated into a spatial large database with latitude and longitude values of origin, destination and the via points.
- Step 2: This spatial database was then used with online routing algorithms to derive paths between origin and destinations via the intermediate points.
- Step 3: Any error in the length of the paths derived and the indicated distances in the excel worksheets given by each Depot was compared and corrections were carried out to minimize the errors.
- Step 4: The resulting spatial database of routes is used further to assess the accessibility of services provided.

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A section

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An unnumbered section

Chapters and sections are numbered by default. To un-number a heading, add a {.unnumbered} or the shorter {-} at the end of the heading, like in this section.

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

## Linking to GEOS 3.8.1, GDAL 3.2.1, PROJ 7.2.1; sf_use_s2() is TRUE
```


Kalaburagi

- In total 2344 trips were mapped for Kalaburagi.
- These trips cover about 67 percent of villages in the district.
- A total of 333 villages are not covered by any bus service.
- The spatial distribution of villages covered and vilages not covered by the bus services is shown in figure @ref(fig:cars-plot)

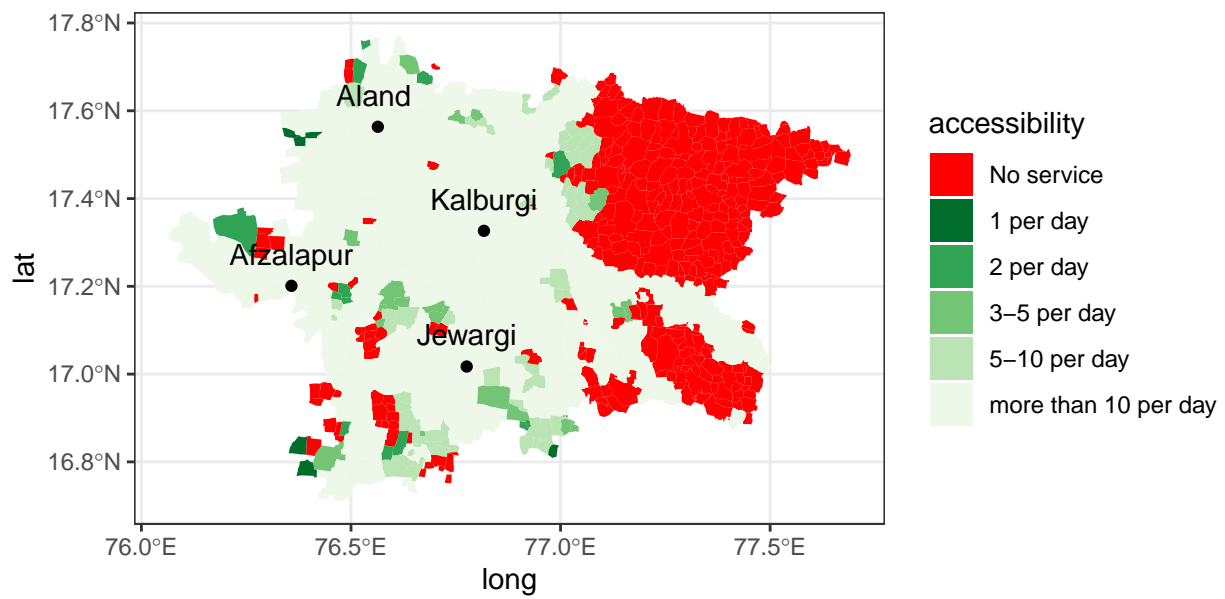


Figure 1: (#fig:cars-plot)Accessibility in Kalaburagi

Koppal

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Add a numbered part: `# (PART) Act one {-}` (followed by `# A chapter`)

Add an unnumbered part: `# (PART*) Act one {-}` (followed by `# A chapter`)

Add an appendix as a special kind of un-numbered part: `# (APPENDIX) Other stuff {-}` (followed by `# A chapter`). Chapters in an appendix are prepended with letters instead of numbers.

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