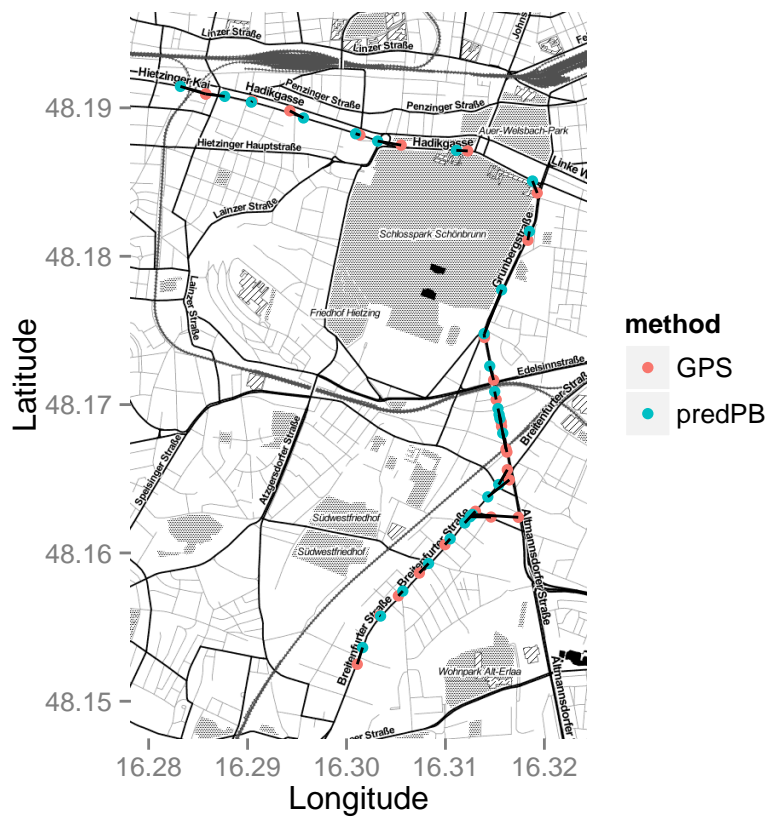


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Distance error between observed and predicted handover:

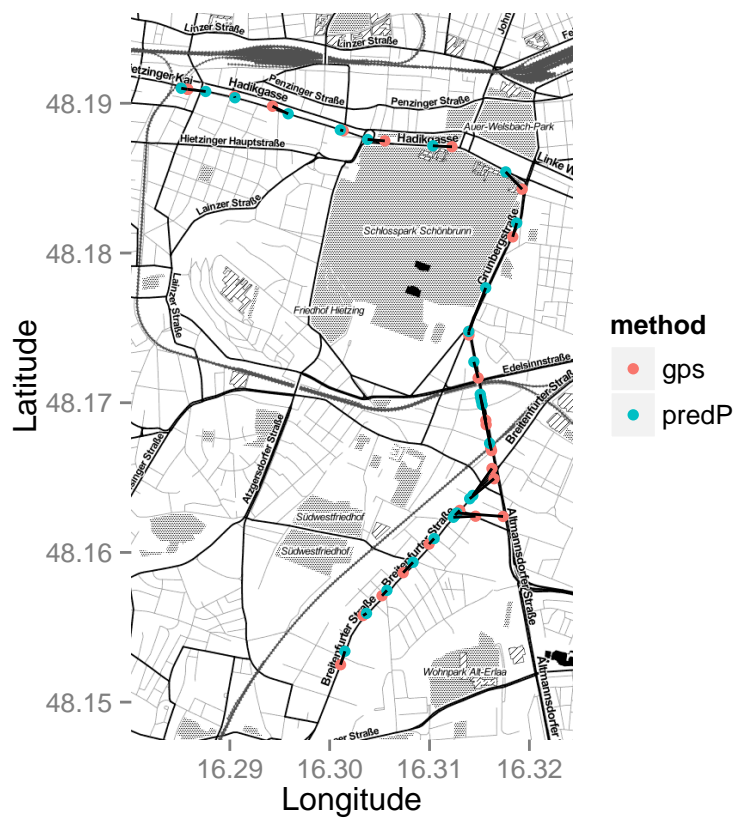
Handover estimation with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.030	0.213	0.324	0.359	0.506	0.850



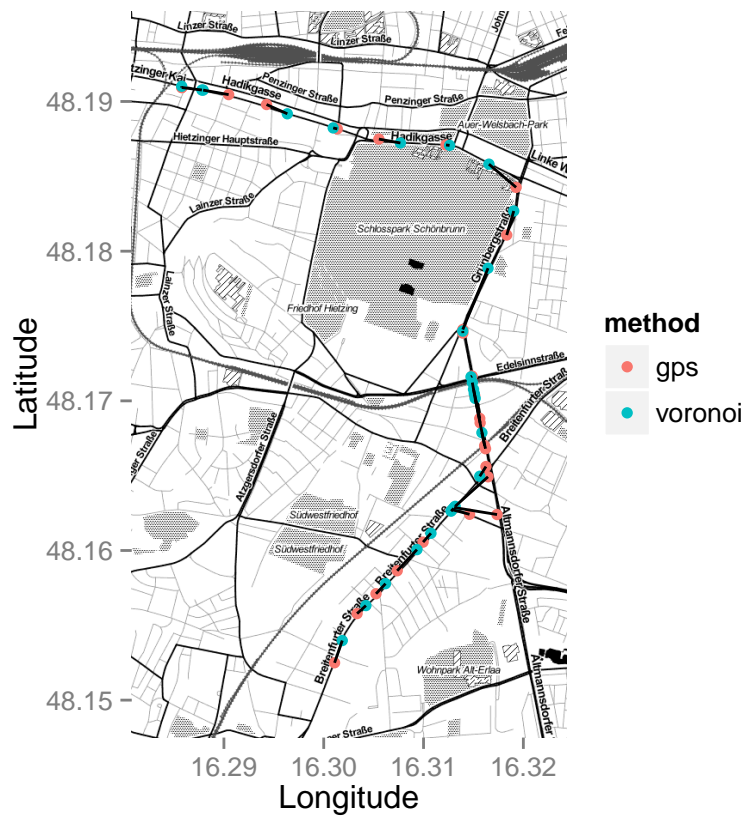
Handover estimation without buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.020	0.223	0.309	0.355	0.504	0.863



Handover estimation Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.010	0.175	0.321	0.327	0.443	0.802

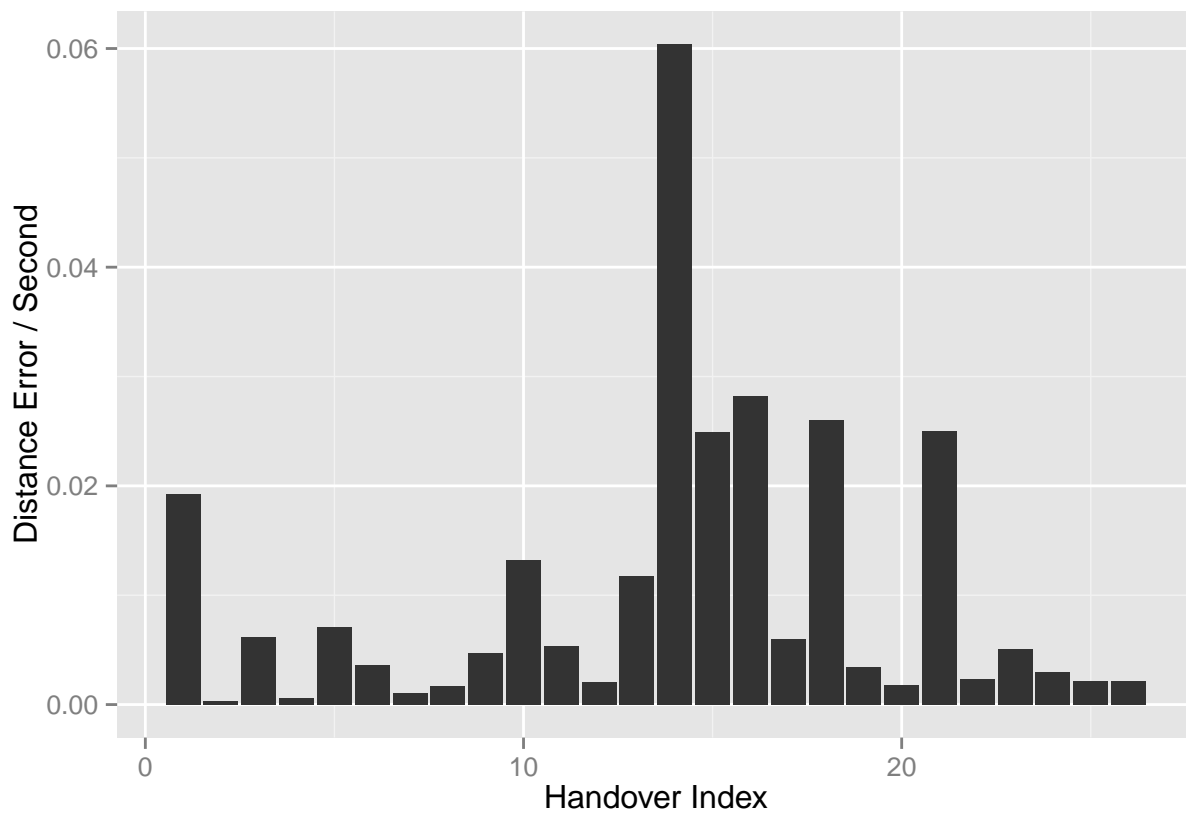


Handover deviation

```
## tikz output
##          2
```

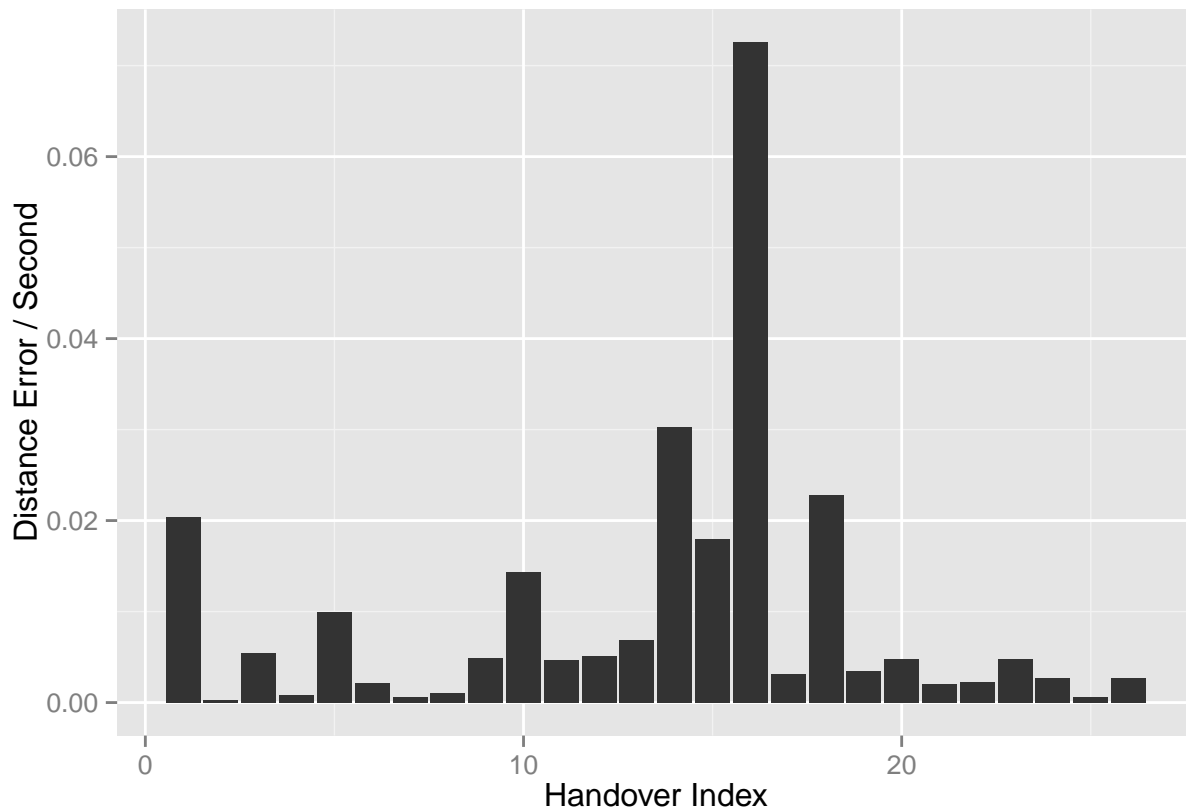
Handover difference prediction without buildings

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.0104 0.0520 0.1240 0.1310 0.1770 0.3460
```



Handover difference prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0085	0.0638	0.1080	0.1240	0.1510	0.3540



```
### Handover difference voronoi
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.0095 0.0867 0.1510 0.1590 0.2180 0.4920
```

```
## tikz output
##          2
```

Deviation Comparison

	predP	predPB	voronoi
## Min.	:0.0104	Min. :0.0085	Min. :0.0095
## 1st Qu.	:0.0520	1st Qu.:0.0638	1st Qu.:0.0867
## Median	:0.1235	Median :0.1080	Median :0.1506
## Mean	:0.1315	Mean :0.1242	Mean :0.1593
## 3rd Qu.	:0.1770	3rd Qu.:0.1510	3rd Qu.:0.2178
## Max.	:0.3464	Max. :0.3543	Max. :0.4924

Difference between raw and adaption:

Summary of estimated speed without adaption

Coverage prediction without buildings

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.6	22.3	35.7	76.5	54.0	625.0

Coverage prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.6	21.4	36.2	68.6	56.1	636.0

Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.4	15.4	30.7	88.1	65.7	906.0

```
## tikz output
##          2
```

Speed Comparison

##	predP	predPB	voronoi
##	Min. : 1.6	Min. : 2.6	Min. : 0.4
##	1st Qu.: 22.3	1st Qu.: 21.4	1st Qu.: 15.4
##	Median : 35.7	Median : 36.2	Median : 30.7
##	Mean : 76.5	Mean : 68.6	Mean : 88.1
##	3rd Qu.: 54.0	3rd Qu.: 56.1	3rd Qu.: 65.7
##	Max. : 624.9	Max. : 636.1	Max. : 905.9

Summary of estimated speed with adaption

Coverage prediction without buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.62	26.00	38.90	39.70	50.00	81.20

Coverage prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.63	21.60	44.80	38.30	50.00	70.00

Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.86	23.40	42.00	38.20	50.00	78.60

```
## tikz output
##          2
```

Speed Adapt Comparison

##	predPAdapt	predPBAdapt	voronoiAdapt
##	Min. : 1.62	Min. : 2.63	Min. : 0.86
##	1st Qu.: 26.05	1st Qu.: 21.56	1st Qu.: 23.41
##	Median : 38.90	Median : 44.77	Median : 41.96

```
## Mean :39.73 Mean :38.33 Mean :38.18
## 3rd Qu.:50.00 3rd Qu.:50.00 3rd Qu.:50.00
## Max. :81.20 Max. :70.00 Max. :78.56
```

Summary of speed errors without adaption:

Coverage prediction without buildings

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 1.4 9.2 14.8 58.4 27.5 581.0
```

Coverage prediction with buildings

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 2.0 9.1 12.9 48.1 22.3 592.0
```

Voronoi diagrams

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 1.1 12.5 20.4 72.7 36.2 862.0
```

```
## tikz output
## 2
```

Speed Error Comparison

```
## predP predPB voronoi
## Min. : 1.4 Min. : 2.0 Min. : 1.1
## 1st Qu.: 9.2 1st Qu.: 9.1 1st Qu.: 12.5
## Median : 14.8 Median : 12.9 Median : 20.4
## Mean : 58.4 Mean : 48.1 Mean : 72.7
## 3rd Qu.: 27.5 3rd Qu.: 22.3 3rd Qu.: 36.2
## Max. :580.5 Max. :591.8 Max. :861.5
```

Summary of speed errors with adaption:

Coverage prediction without buildings

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 1.42 6.67 10.70 17.10 25.40 55.00
```

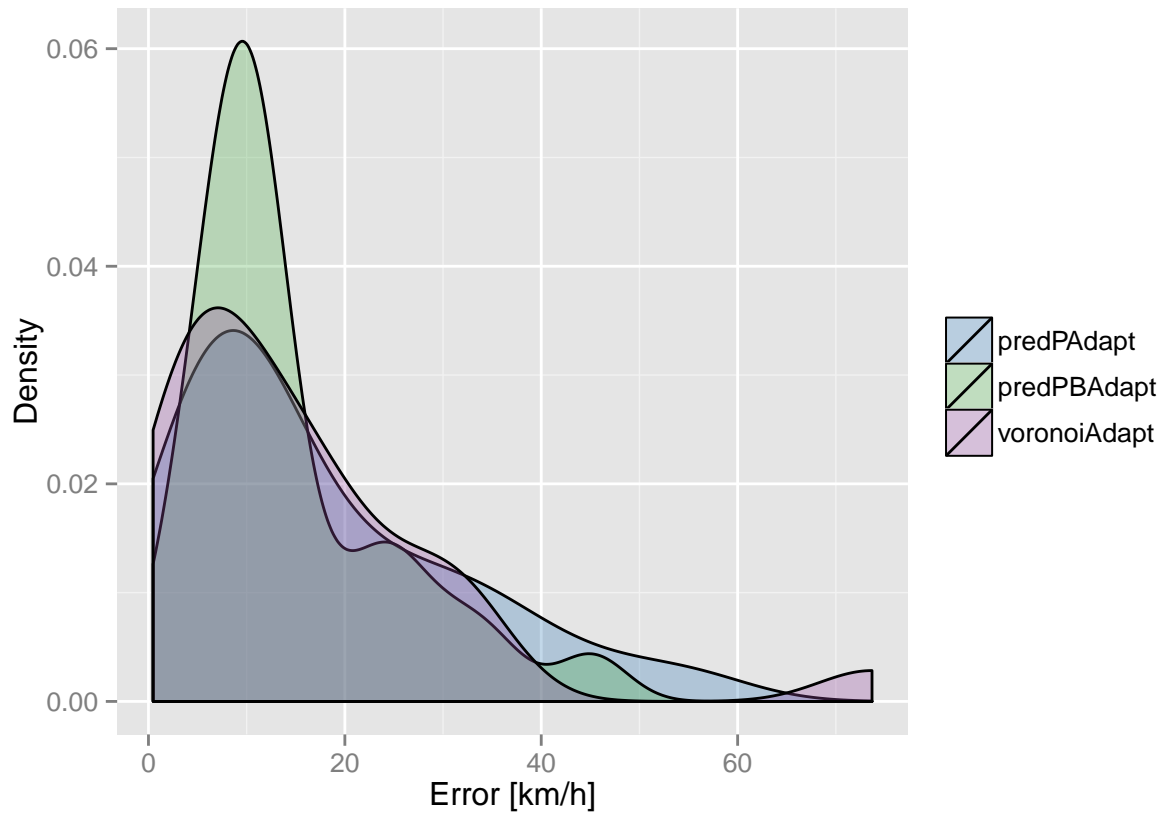
Coverage prediction with buildings

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 1.97 8.15 11.20 14.60 18.40 45.10
```

Voronoi diagrams

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.47   5.06   11.20   15.40   20.50   73.70
```

```
## tikz output
##           2
```



Speed Adapt Error Comparison

	predPAdapt	predPBAdapt	voronoiAdapt
## Min.	1.42	1.97	0.47
## 1st Qu.:	6.67	8.15	5.06
## Median	10.70	11.24	11.19
## Mean	17.08	14.55	15.39
## 3rd Qu.:	25.40	18.38	20.51
## Max.	55.03	45.12	73.68