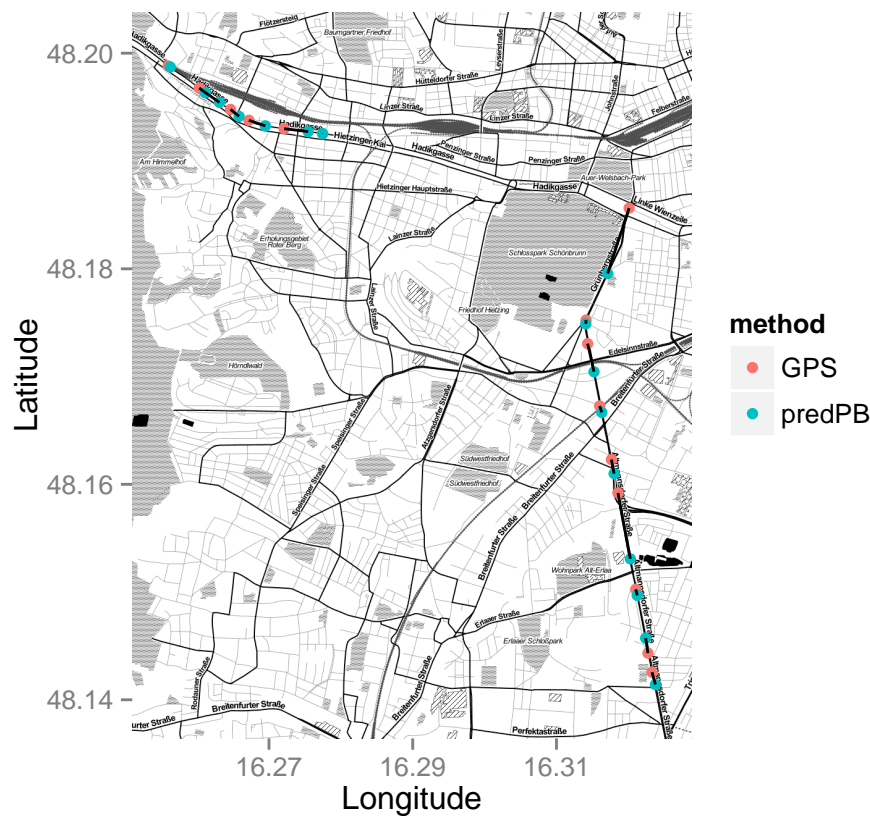


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Distance error between observed and predicted handover:

Handover estimation with buildings

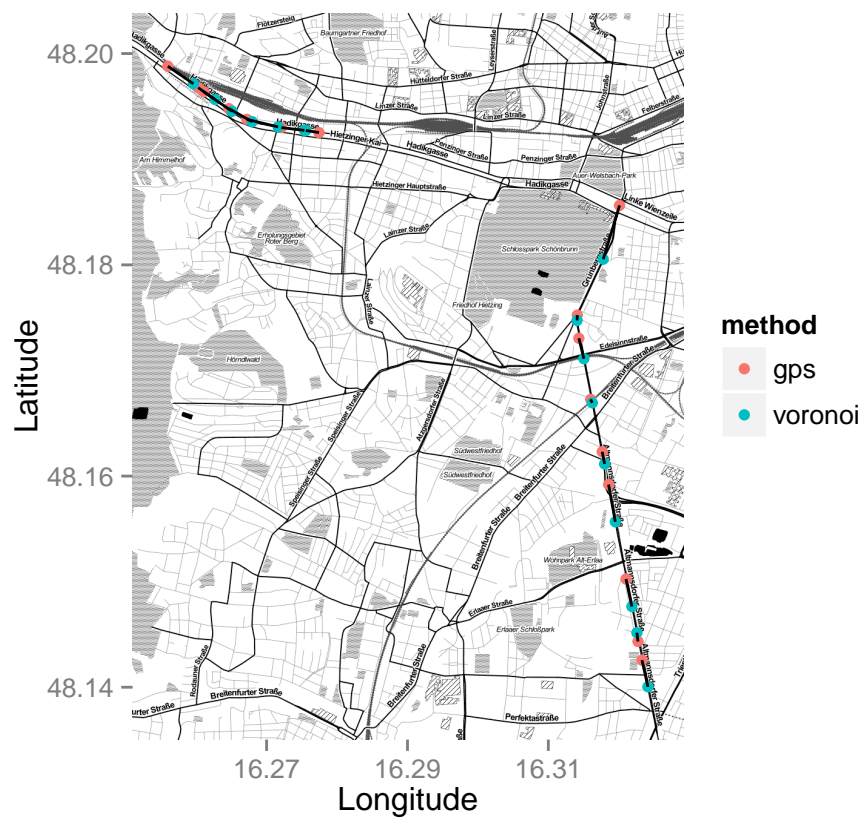
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.148	0.338	0.451	0.679	0.536	4.060



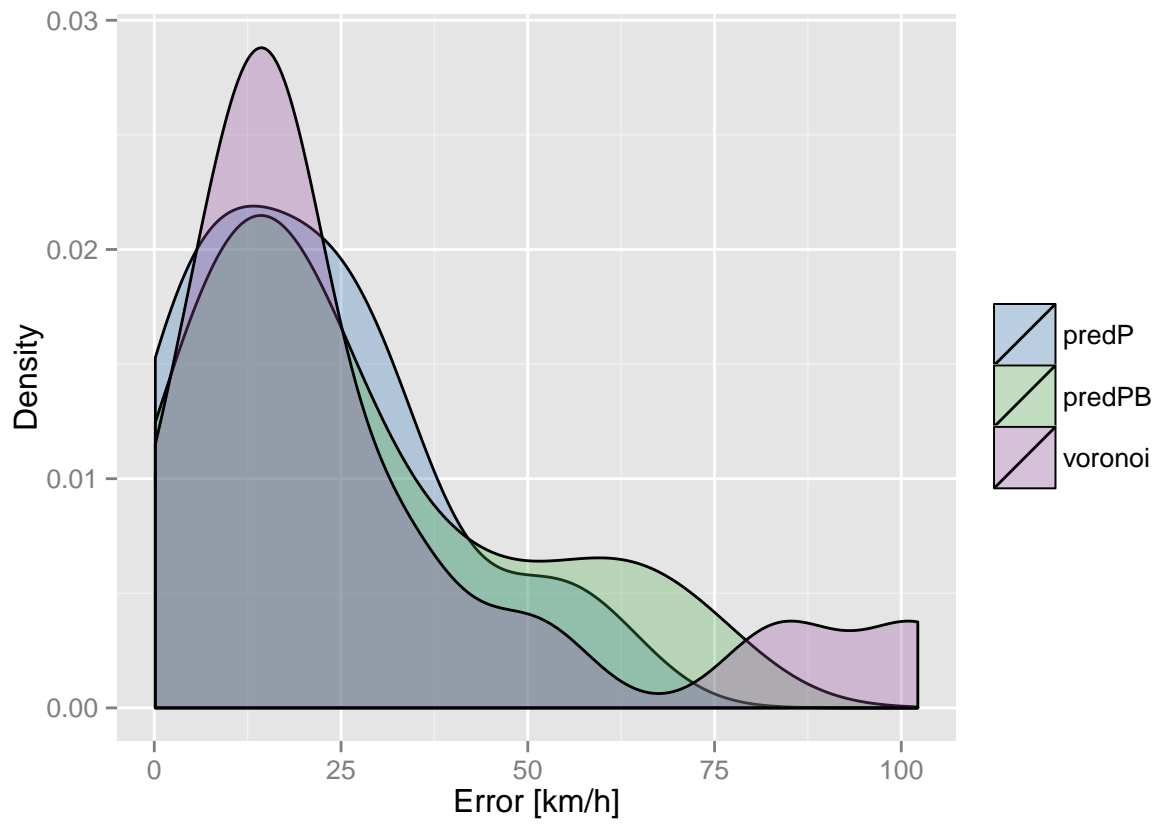
### Handover estimation without buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.111	0.360	0.449	0.677	0.604	3.790

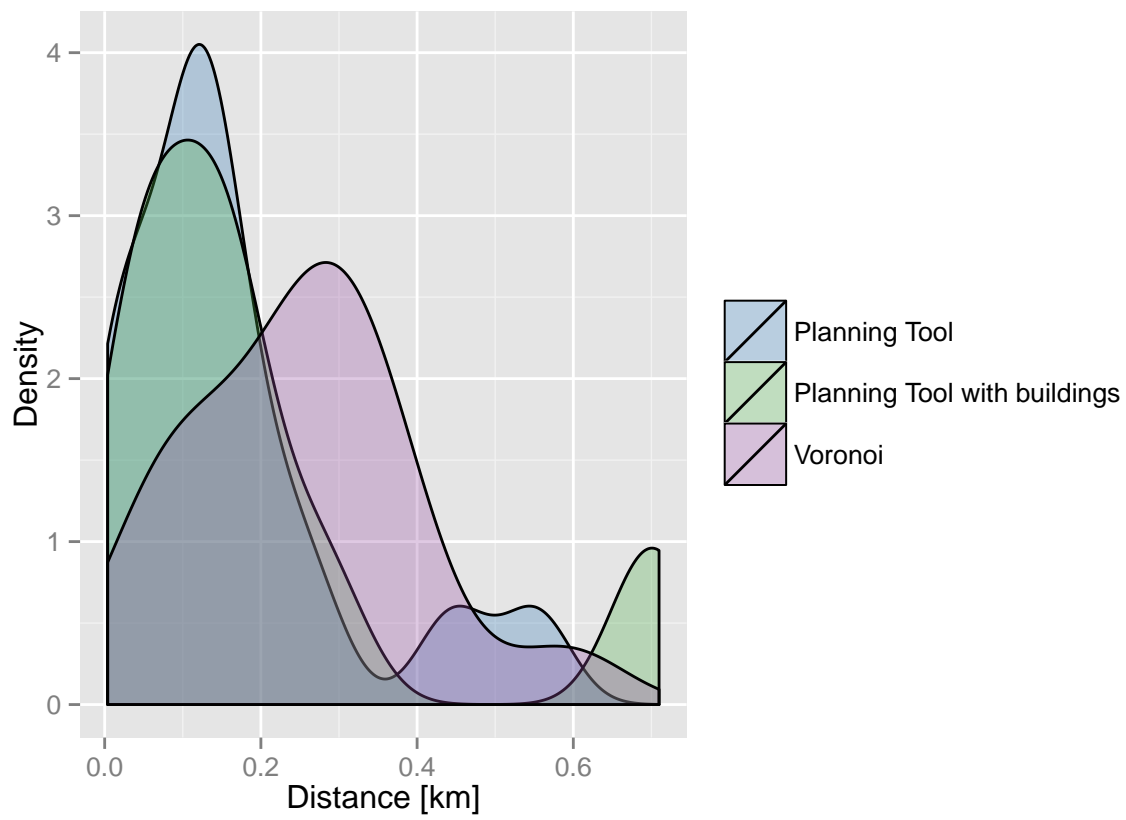




## Handover deviation

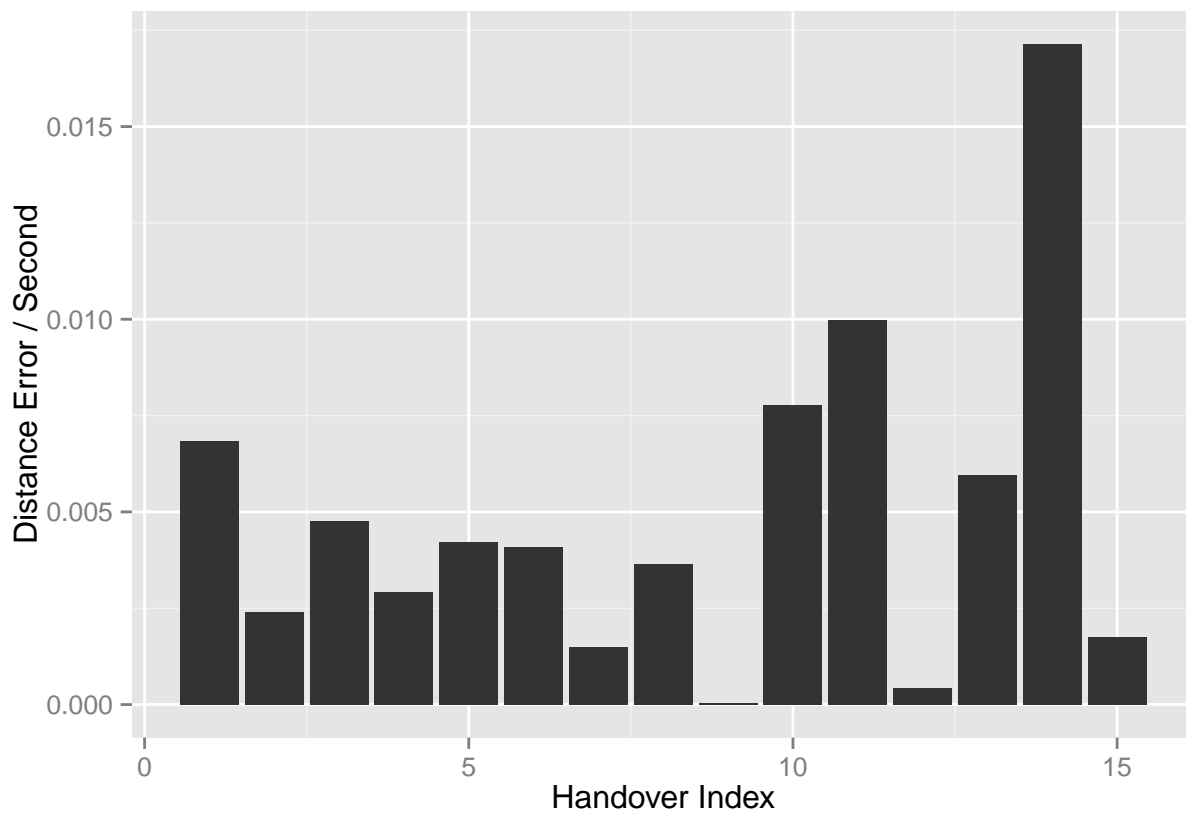


```
## RStudioGD  
##      2
```



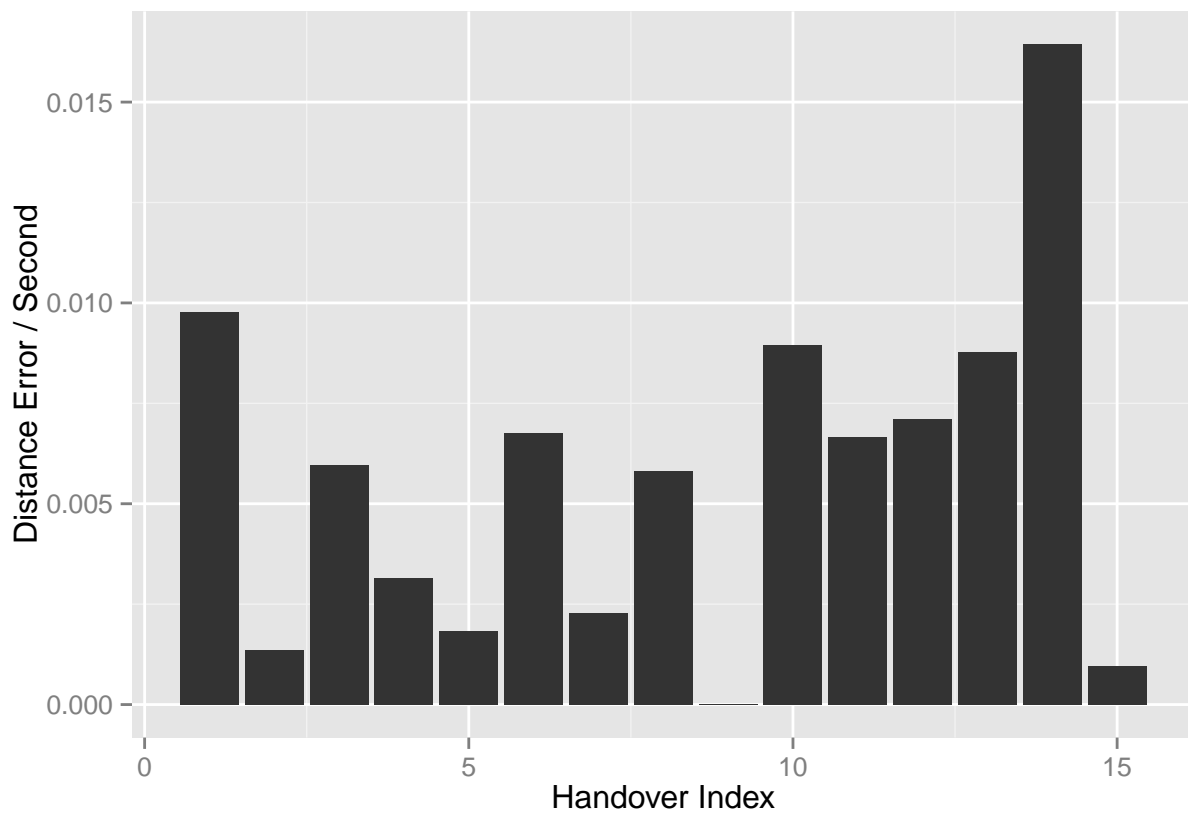
### Handover difference prediction without buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0070	0.0747	0.1230	0.1630	0.1890	0.5520



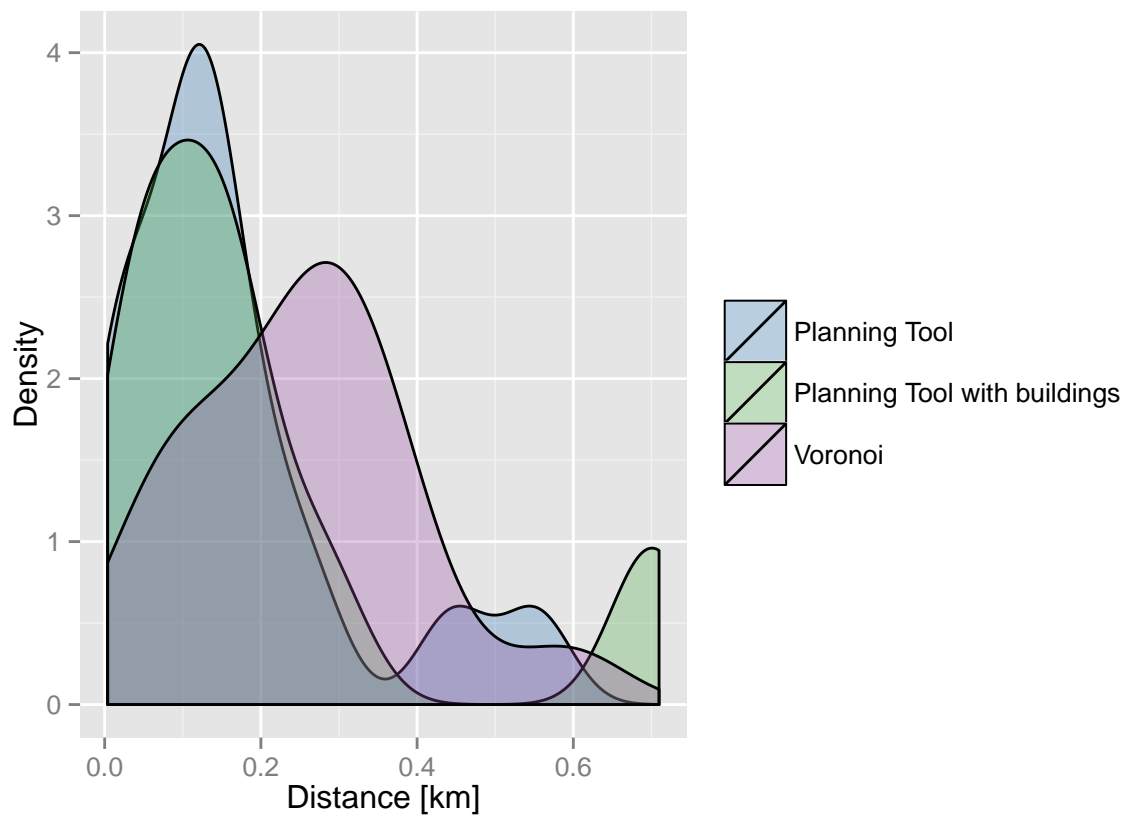
### Handover difference prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0038	0.0685	0.1400	0.1970	0.2010	0.7100



### Handover difference voronoi

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0409	0.1380	0.2620	0.2520	0.3290	0.5920



```
## RStudioGD
##      2
```

### Deviation Comparison

	predP	predPB	voronoi
Min.	:0.0070	:0.0038	:0.0409
1st Qu.	:0.0747	:0.0685	:0.1380
Median	:0.1229	:0.1399	:0.2624
Mean	:0.1625	:0.1966	:0.2517
3rd Qu.	:0.1889	:0.2010	:0.3293
Max.	:0.5524	:0.7098	:0.5916

Difference between raw and adaption:

Summary of estimated speed without adaption

Coverage prediction without buildings

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
	17.7	34.1	51.5	54.3	72.7	109.0

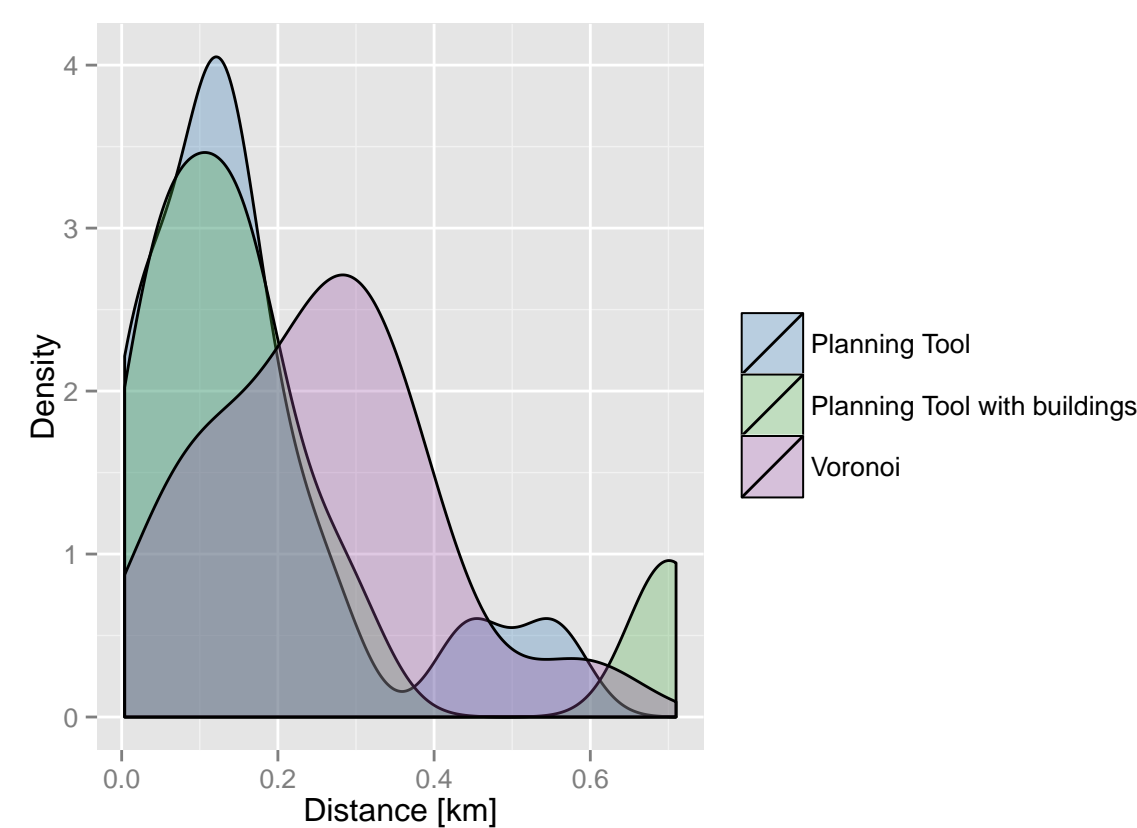


Coverage prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	11.9	34.7	59.4	57.6	68.1	125.0

Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.91	32.70	42.20	54.60	62.50	155.00



```
## RStudioGD
##          2
```

Speed Comparison

##	predP	predPB	voronoi
##	Min. : 17.7	Min. : 11.9	Min. : 1.91
##	1st Qu.: 34.1	1st Qu.: 34.7	1st Qu.: 32.68
##	Median : 51.5	Median : 59.4	Median : 42.19
##	Mean : 54.3	Mean : 57.6	Mean : 54.60
##	3rd Qu.: 72.7	3rd Qu.: 68.1	3rd Qu.: 62.47
##	Max. : 108.7	Max. : 125.2	Max. : 155.41

## Summary of estimated speed with adaption

### Coverage prediction without buildings

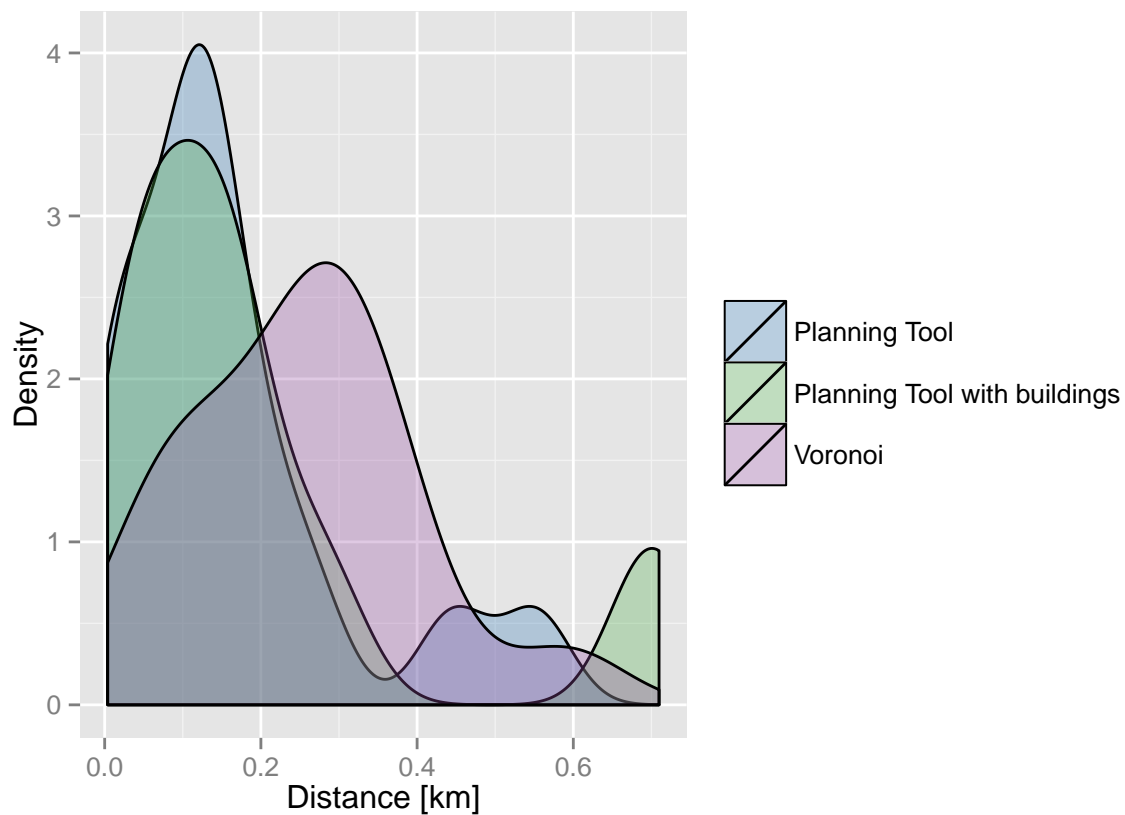
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	17.7	41.7	50.4	51.5	62.0	83.9

### Coverage prediction with buildings

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	11.9	43.2	50.0	48.4	60.8	68.6

### Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.91	37.90	49.10	45.60	53.60	86.60



```
## RStudioGD
##      2
```

### Speed Adapt Comparison

##	predPAdapt	predPBAadapt	voronoiAdapt
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##	Min.	:17.7	Min.	:11.9	Min.	: 1.91
##	1st Qu.	:41.7	1st Qu.	:43.2	1st Qu.	:37.93
##	Median	:50.4	Median	:50.0	Median	:49.08
##	Mean	:51.5	Mean	:48.4	Mean	:45.61
##	3rd Qu.	:62.0	3rd Qu.	:60.8	3rd Qu.	:53.58
##	Max.	:84.0	Max.	:68.6	Max.	:86.63

## Summary of speed errors without adaption:

### Coverage prediction without buildings

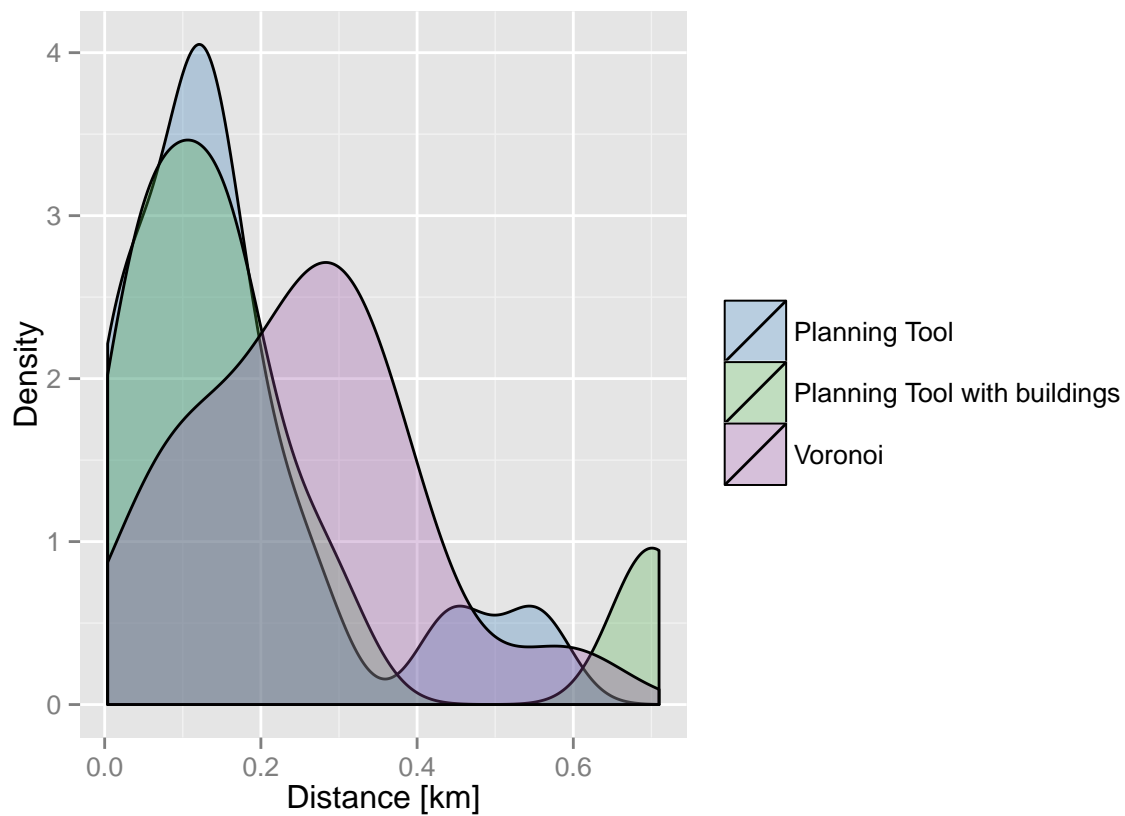
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.55	6.89	17.00	21.10	29.50	58.80

### Coverage prediction with buildings

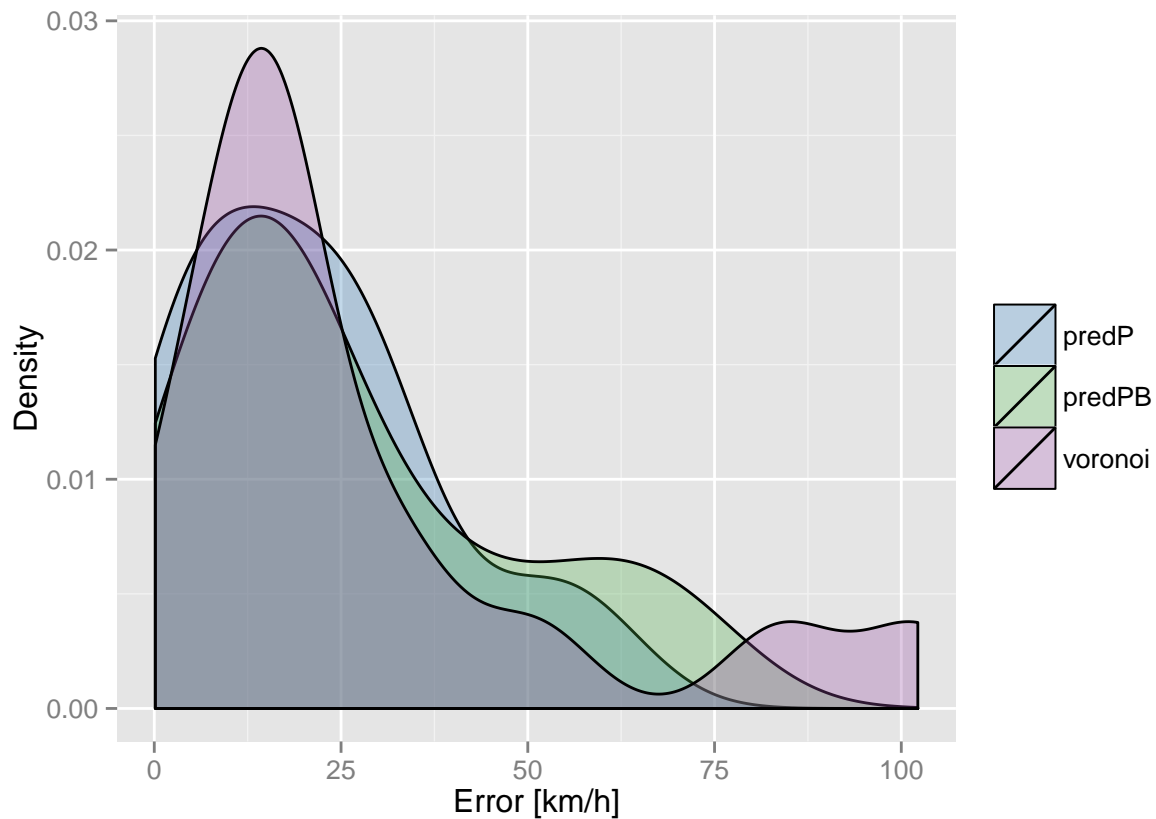
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.55	10.30	19.60	26.40	37.10	72.00

### Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.13	13.40	17.30	28.40	32.40	102.00



```
## RStudioGD
##      2
```



### Speed Error Comparison

	predP	predPB	voronoi
Min.	1.55	1.55	0.13
1st Qu.	6.89	10.31	13.39
Median	17.04	19.56	17.31
Mean	21.12	26.38	28.45
3rd Qu.	29.51	37.14	32.43
Max.	58.76	72.00	102.21

### Summary of speed errors with adaption:

#### Coverage prediction without buildings

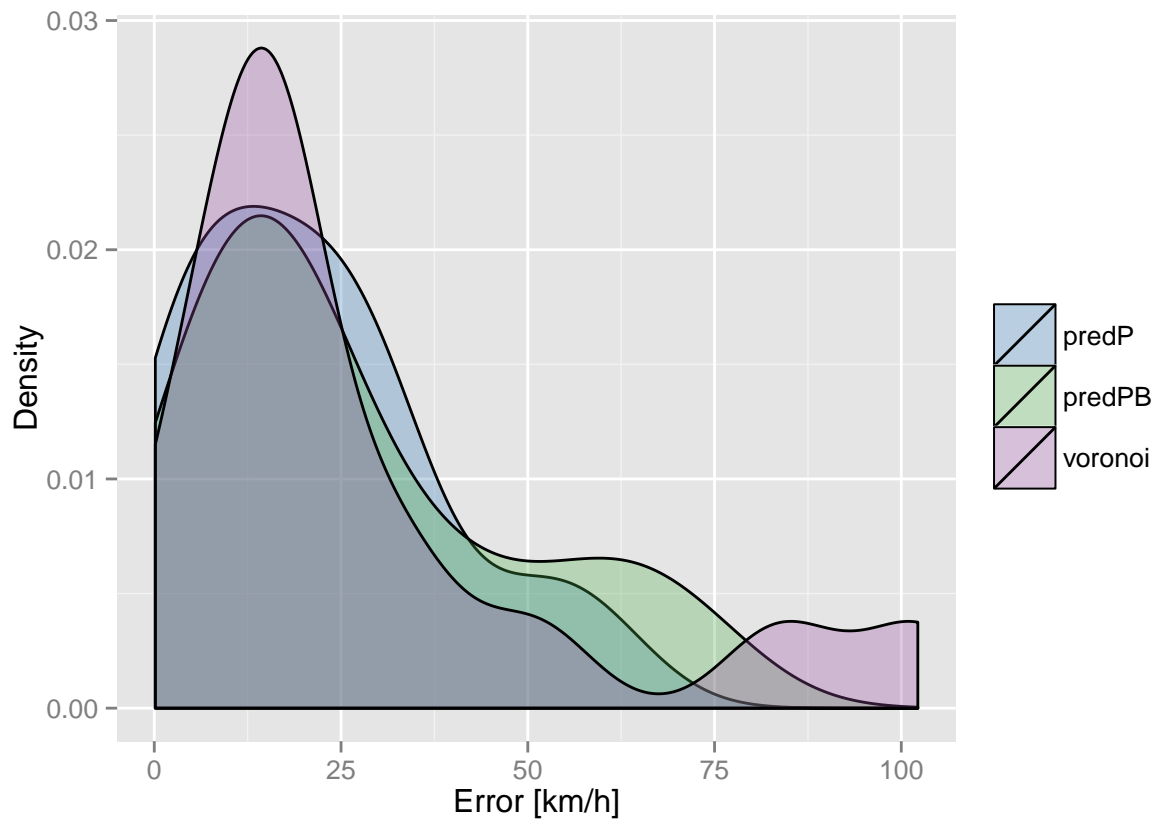
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
	0.10	2.80	8.19	13.30	26.10	32.30

#### Coverage prediction with buildings

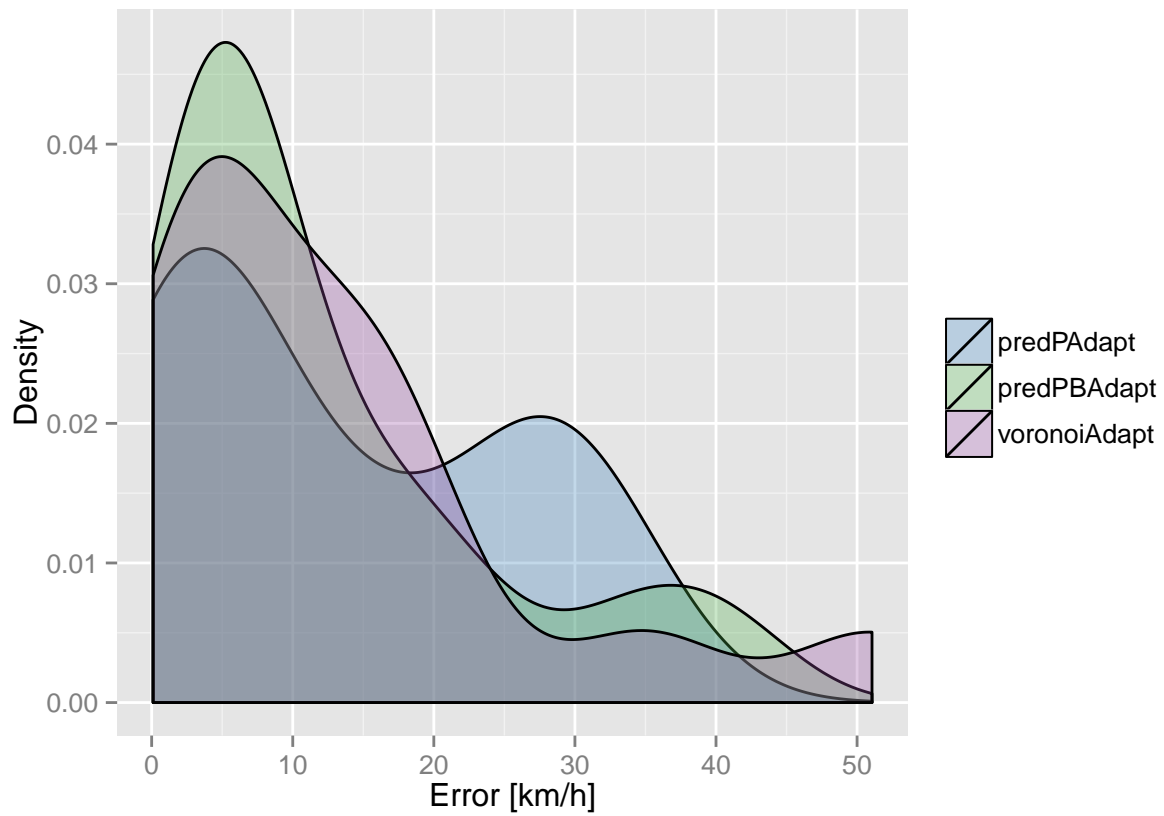
	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
	1.55	3.39	7.84	11.90	16.40	40.60

## Voronoi diagrams

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.13	3.14	7.36	13.00	16.80	51.10



```
## RStudioGD
##      2
```



### Speed Adapt Error Comparison

##	predPAdapt	predPBAdapt	voronoiAdapt
## Min.	: 0.10	: 1.55	: 0.13
## 1st Qu.:	: 2.80	: 3.39	: 3.14
## Median :	: 8.19	: 7.84	: 7.36
## Mean :	:13.31	:11.94	:13.04
## 3rd Qu.:	:26.07	:16.39	:16.77
## Max.	:32.30	:40.59	:51.06