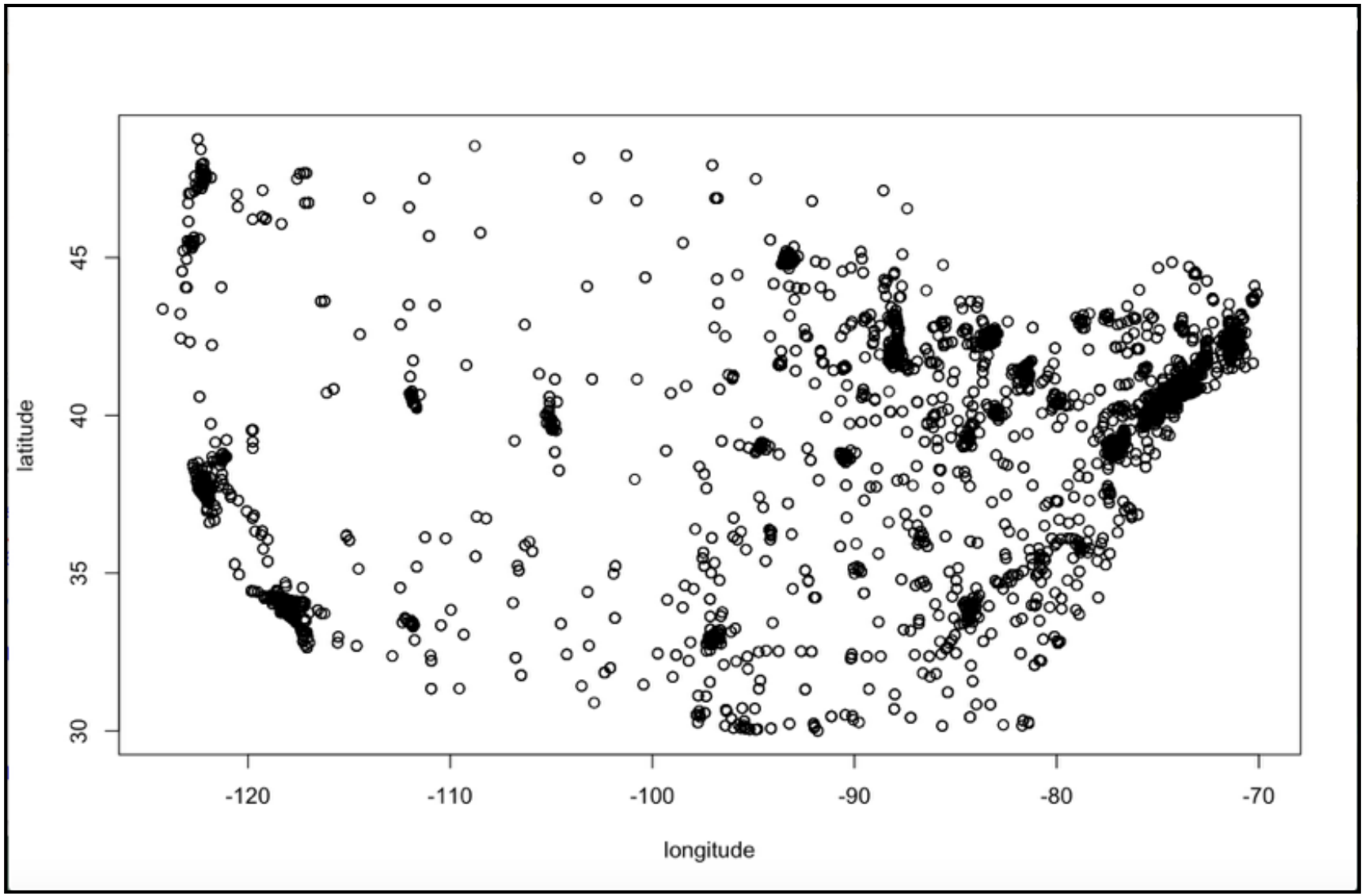
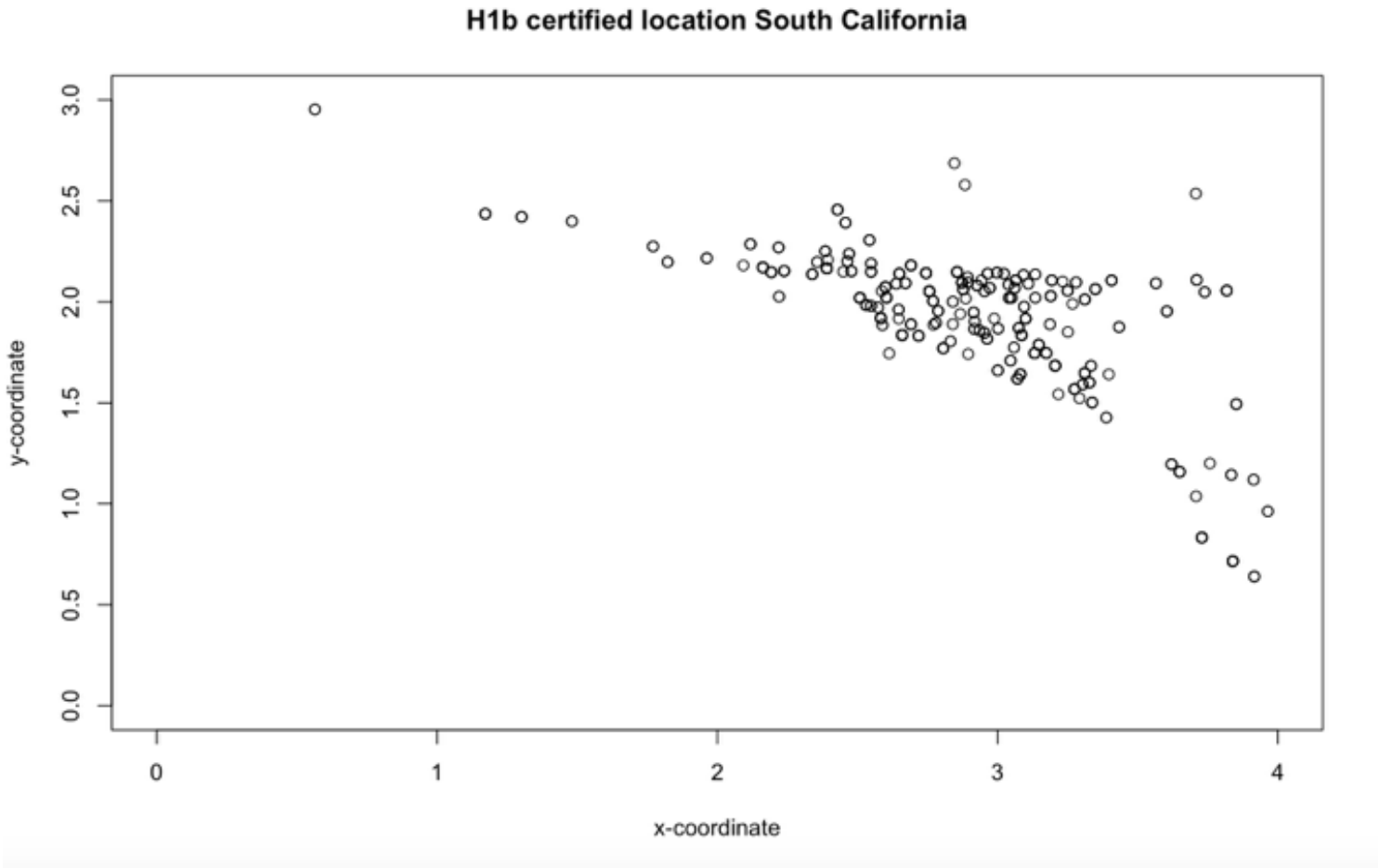


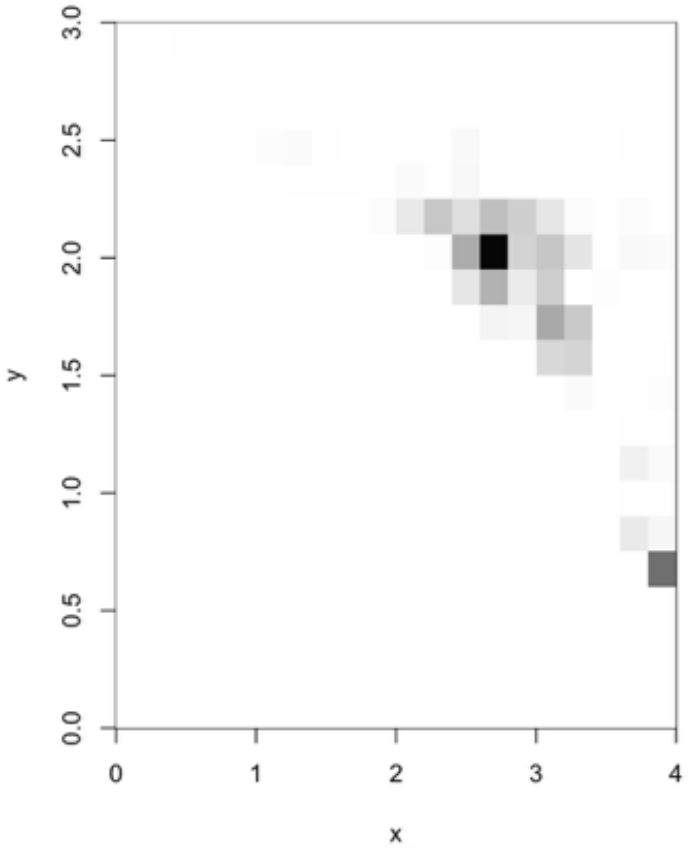
Certified H1B Visa Locations

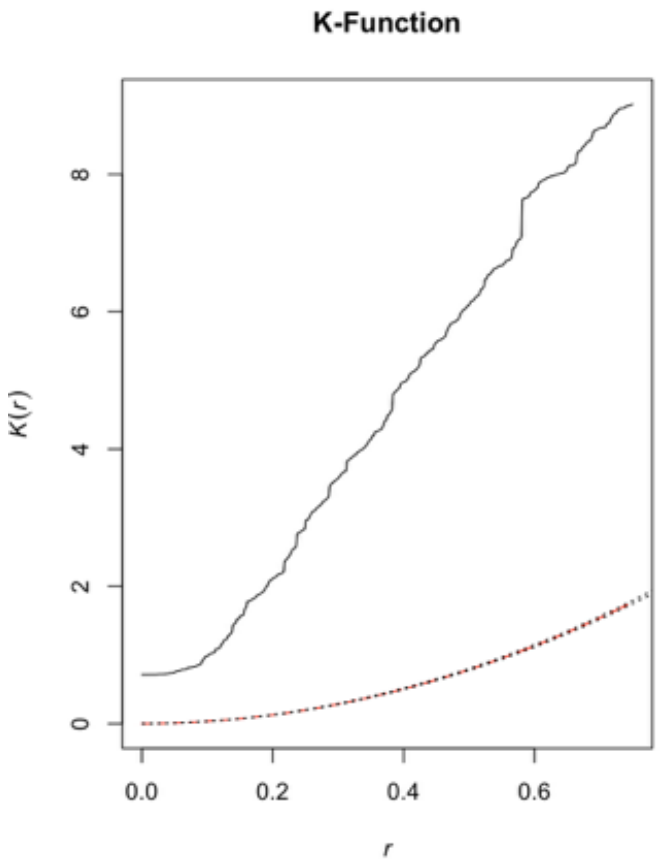
[redacted]

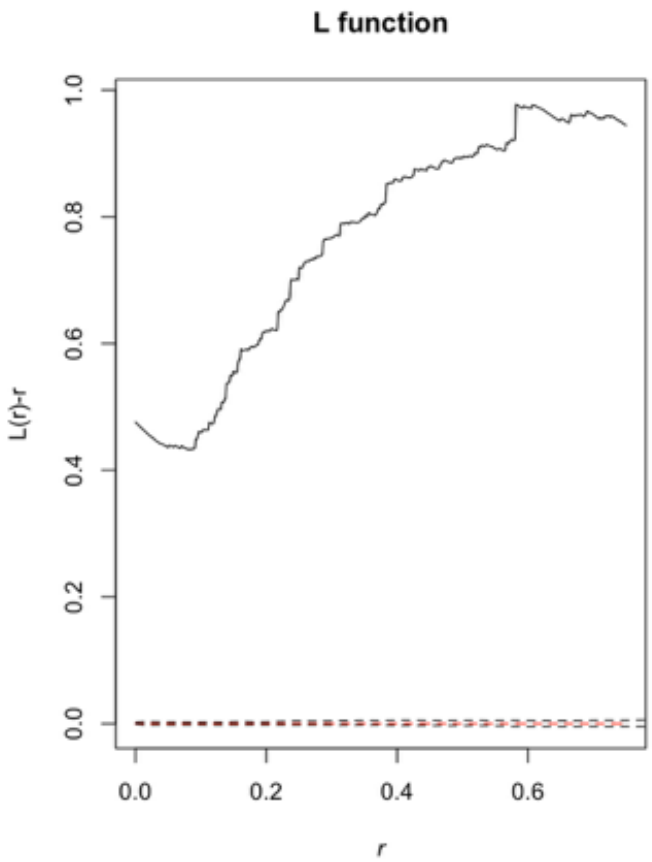
The data


H1b certified location South California
y-coordinate
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
1
2
3
4
x-coordinate

Clustered


y
x
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
1
2
3
4


K-Function
K(r)
r
0
2
4
6
8
0.0
0.2
0.4
0.6


L function
L(r)-r
r
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6

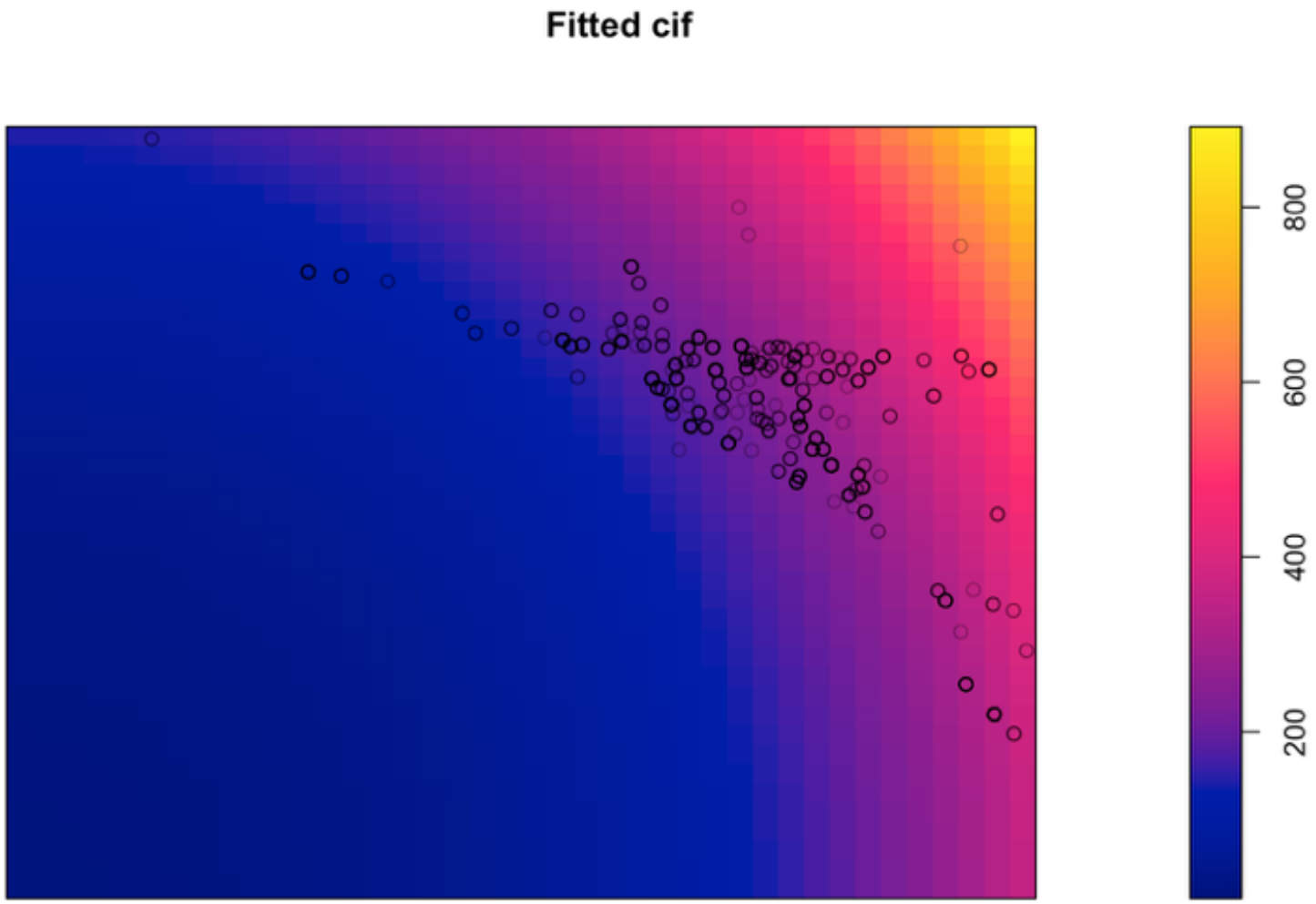
Fitting Models

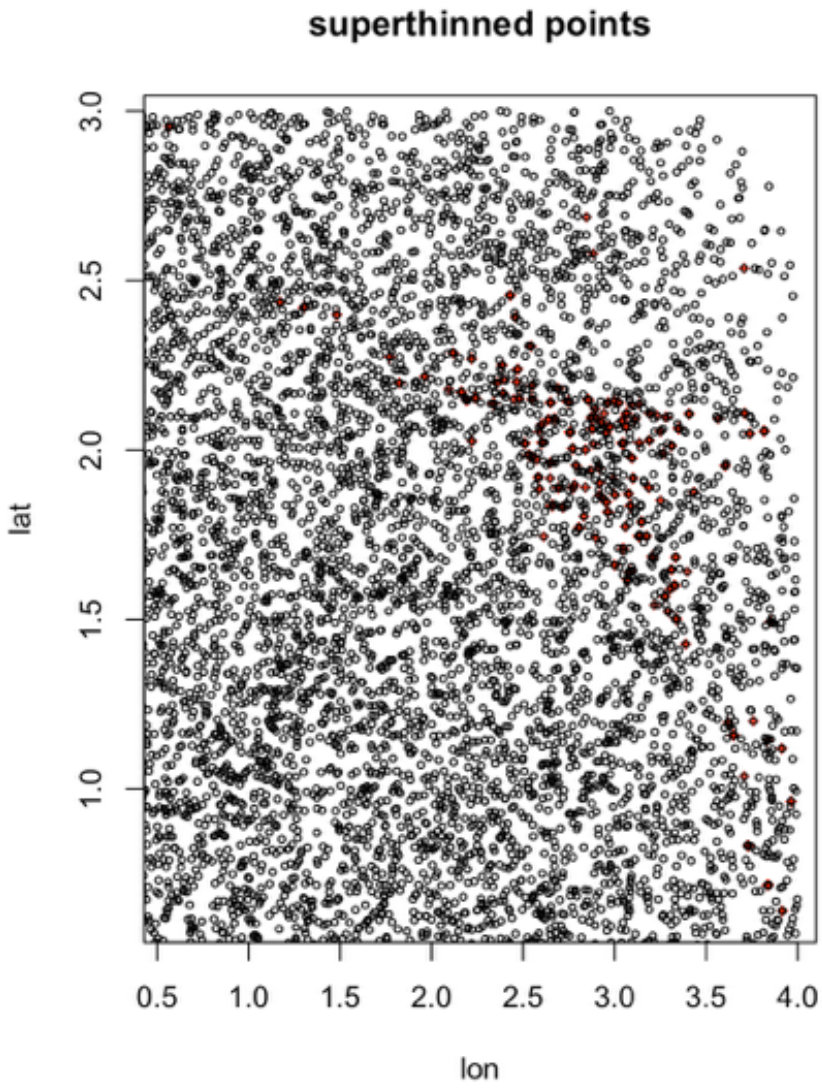
- Strauss

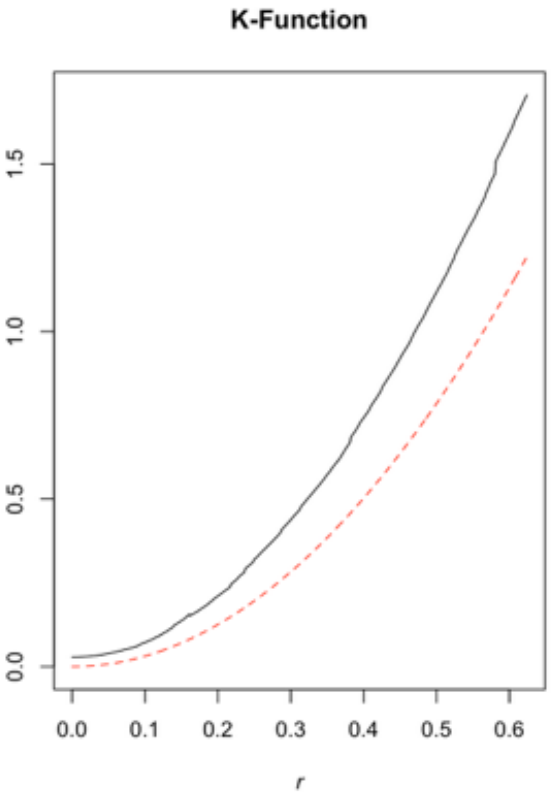
```
Interaction: Strauss process
Interaction distance:   0.05
Fitted interaction parameter gamma:      1.0212539
```

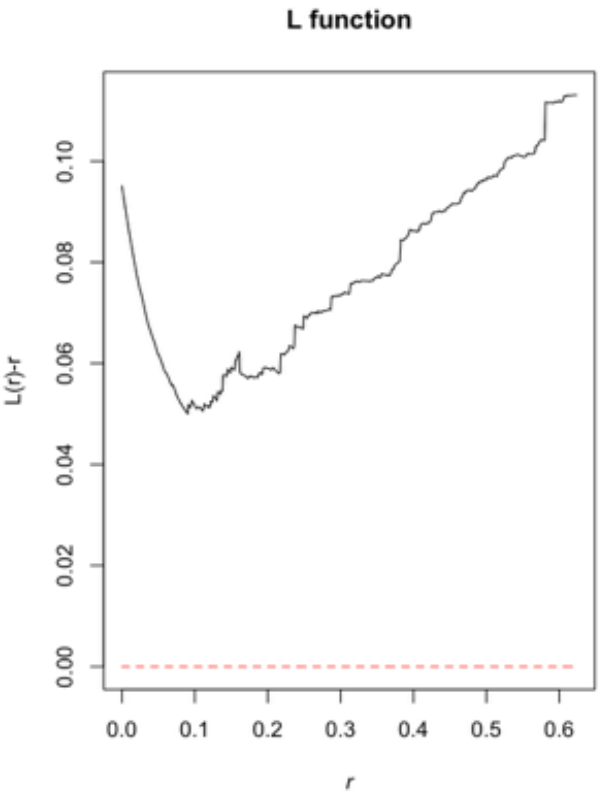
- Poisson

$$\lambda = exp(\alpha + \beta\sqrt{x^2 + y^2})$$



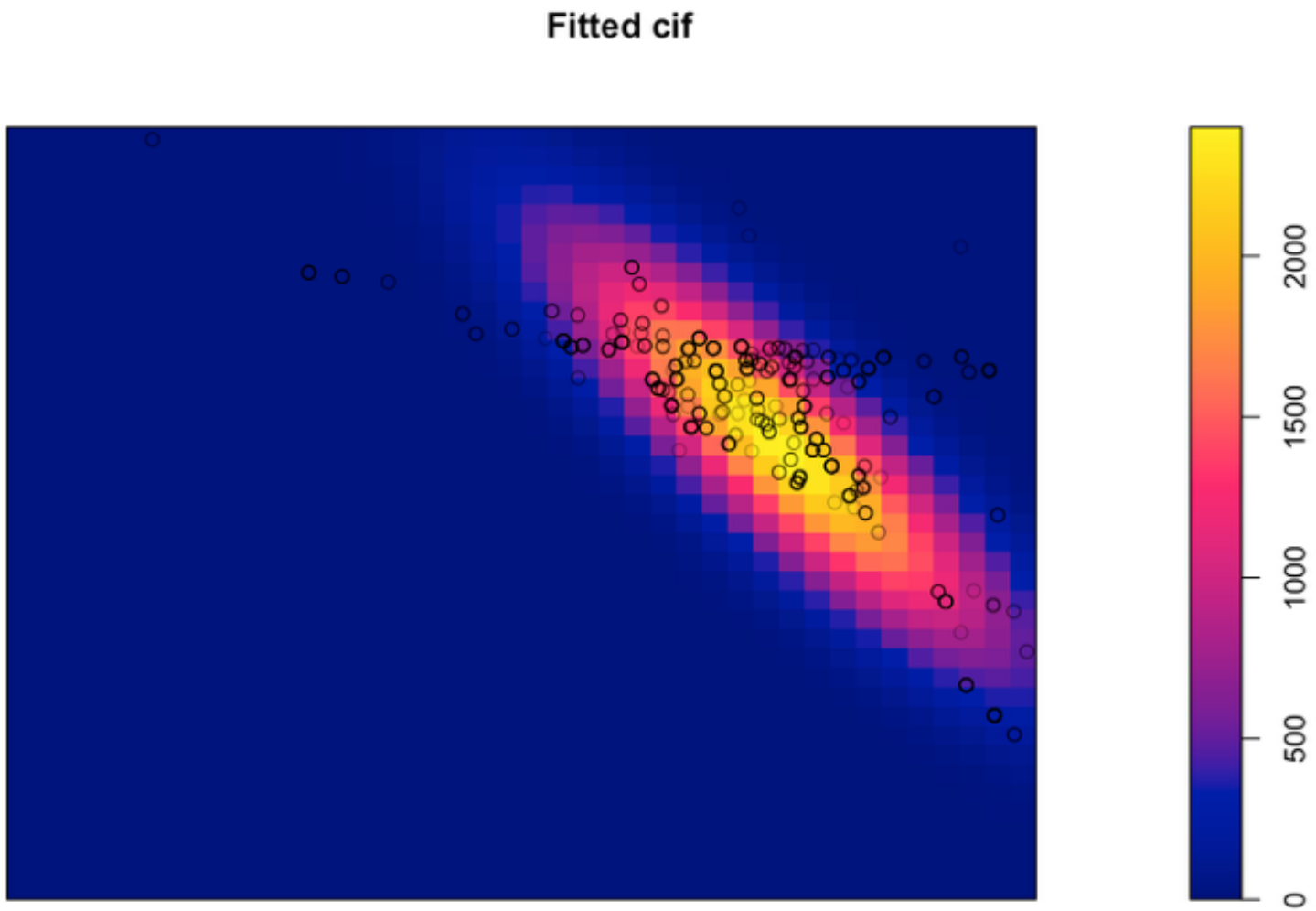

superthinned points
lat
lon
1.0
1.5
2.0
2.5
3.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

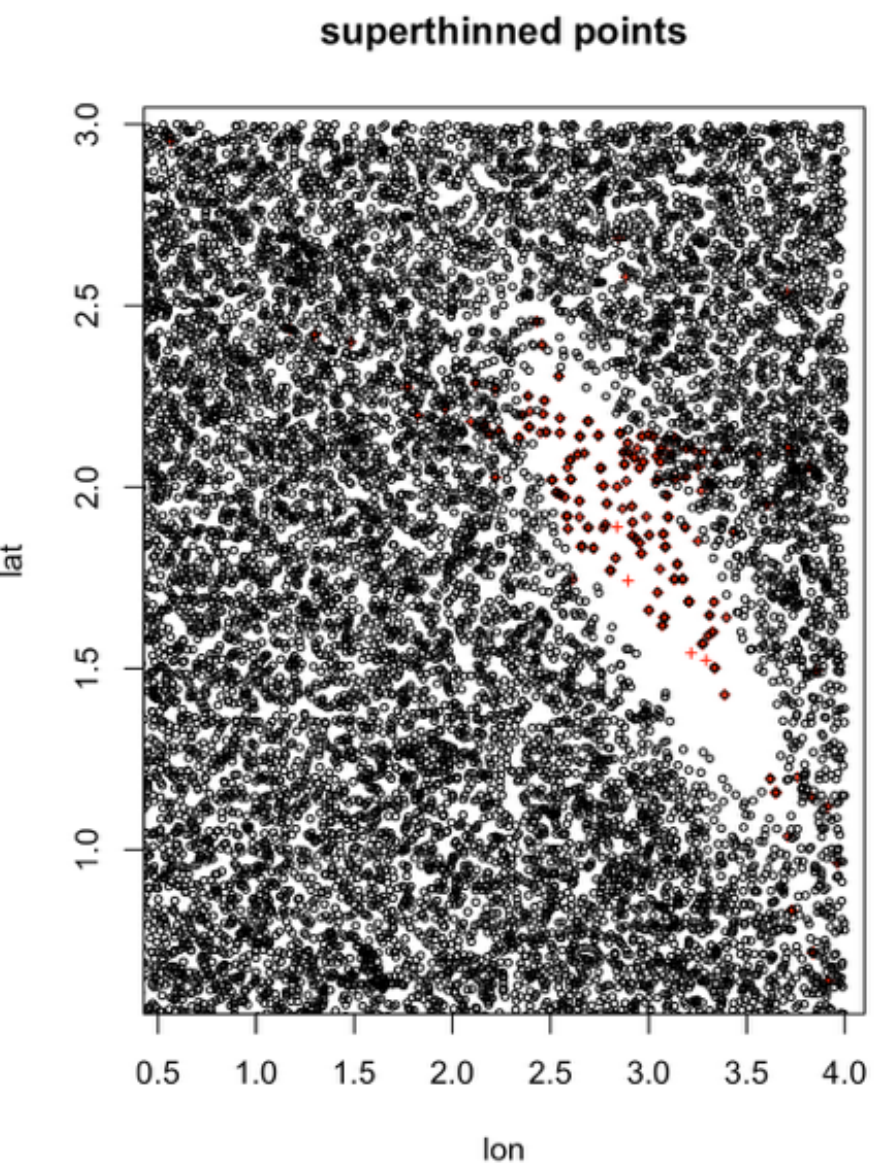

K-Function
0.0
0.5
1.0
1.5
0.0
0.1
0.2
0.3
0.4
0.5
0.6
r

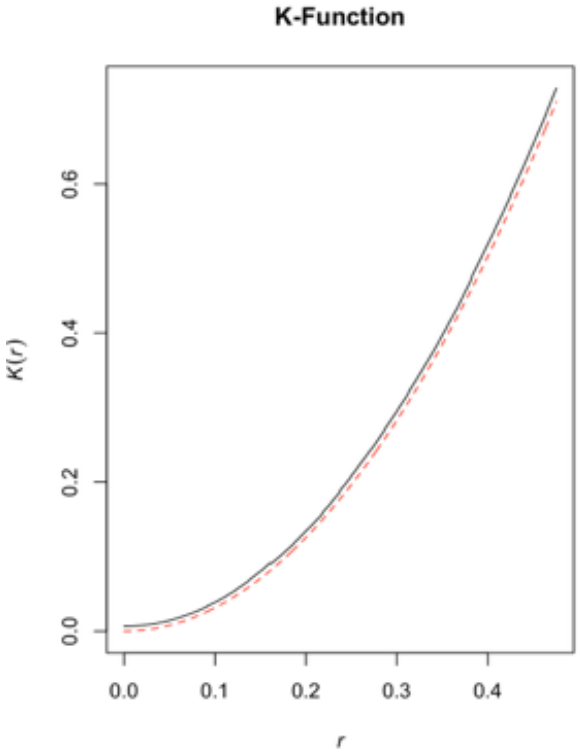

L function
L(r)-r
0.00
0.02
0.04
0.06
0.08
0.10
0.0
0.1
0.2
0.3
0.4
0.5
0.6
r

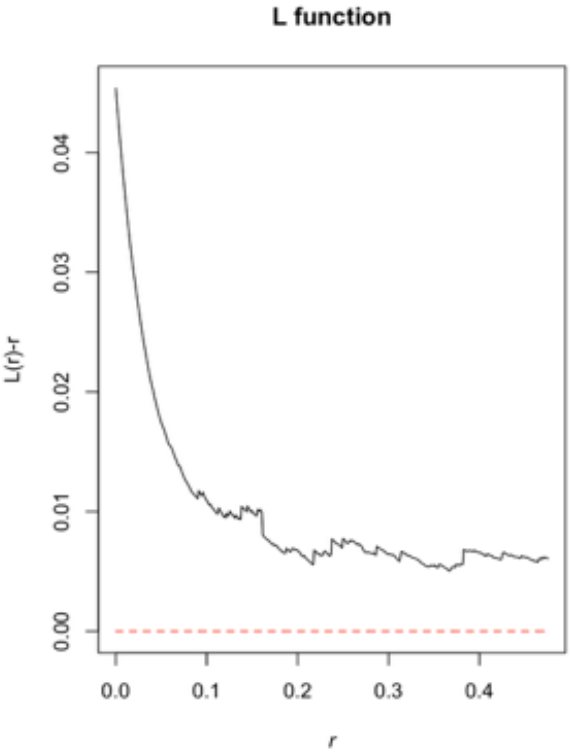
- Poisson

$$\lambda = exp(\alpha_1 + \alpha_2 x + \alpha_3 y + \alpha_4 x^2 + \alpha_5 xy + \alpha_6 y^2)$$




superthinned points
lat
lon
3.0
2.5
2.0
1.5
1.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0


K-Function
K(r)
r
0.0
0.2
0.4
0.6
0.0
0.1
0.2
0.3
0.4


L function
L(r)-r
r
0.00
0.01
0.02
0.03
0.04
0.0
0.1
0.2
0.3
0.4