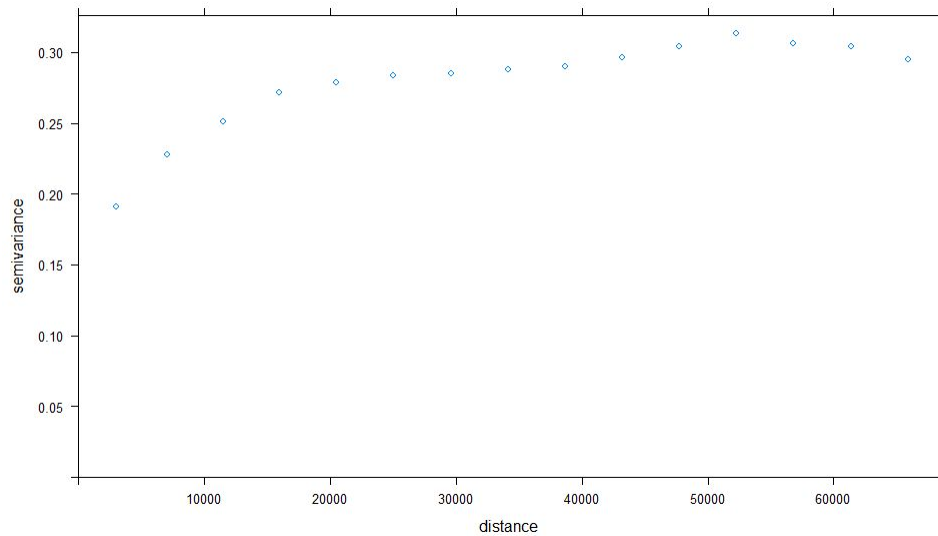


Sprawozdanie
Geostatystyka ćw 9
Modelowanie matematyczne autokorelacji przestrzennej
Natalia Gadocha 304165
Geoinformatyka II

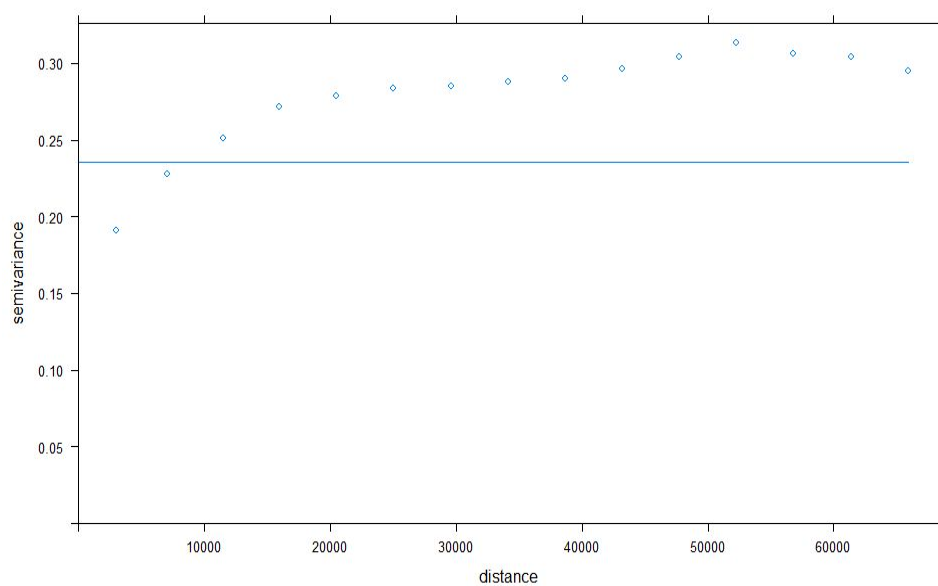
1. Model empiryczny

```
pHvar <- variogram(pH ~ x + y, ca_geo[!miss, ])  
plot(pHvar)
```



2. Model nuggetowy

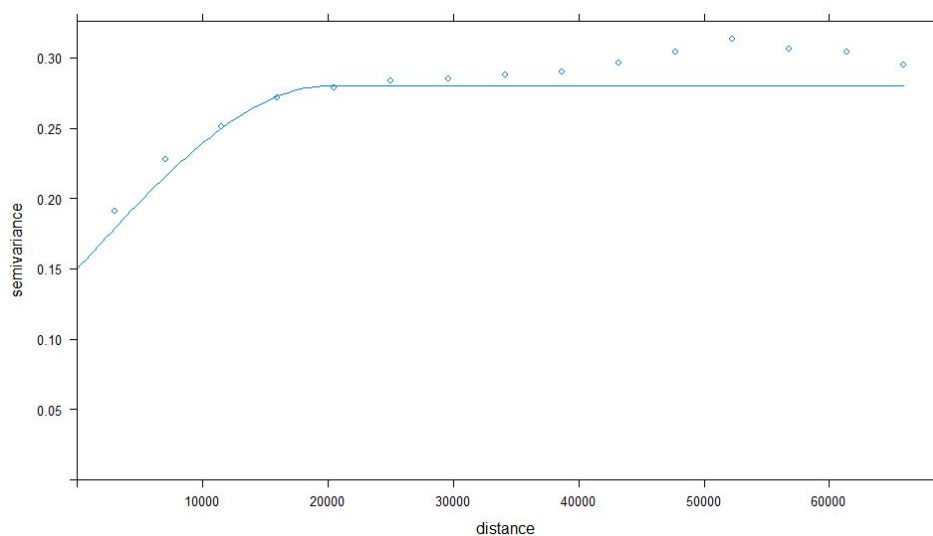
```
nug <- fit.variogram(pHvar, vgm(1, "Nug", 0))  
plot(pHvar, model = nug)
```



```

3.1 Model sferyczny
Sph <- vgm( 0.13, "Sph", 20000, 0.15)
plot(pHvar, Sph)

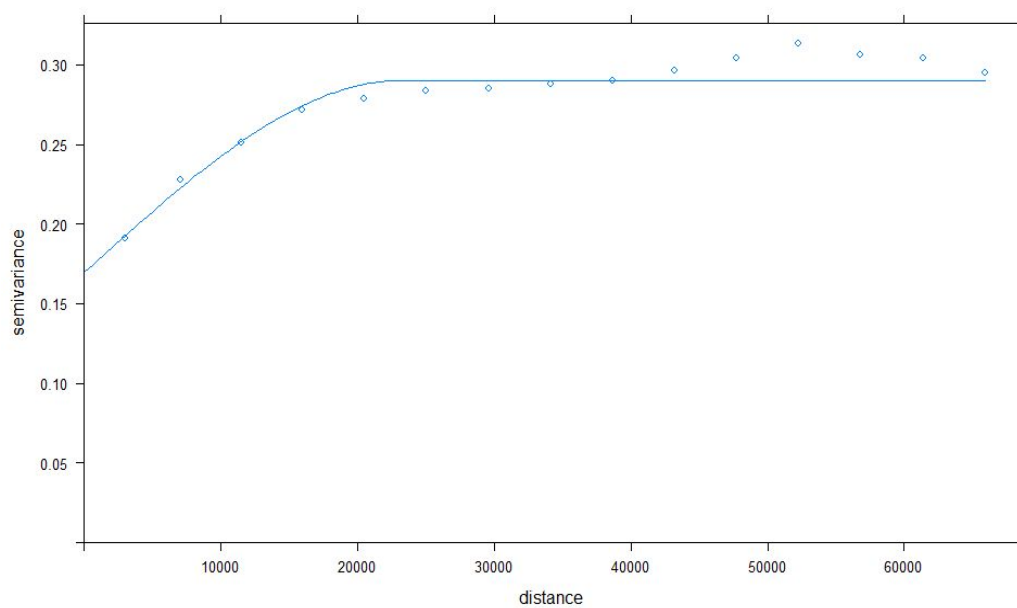
```



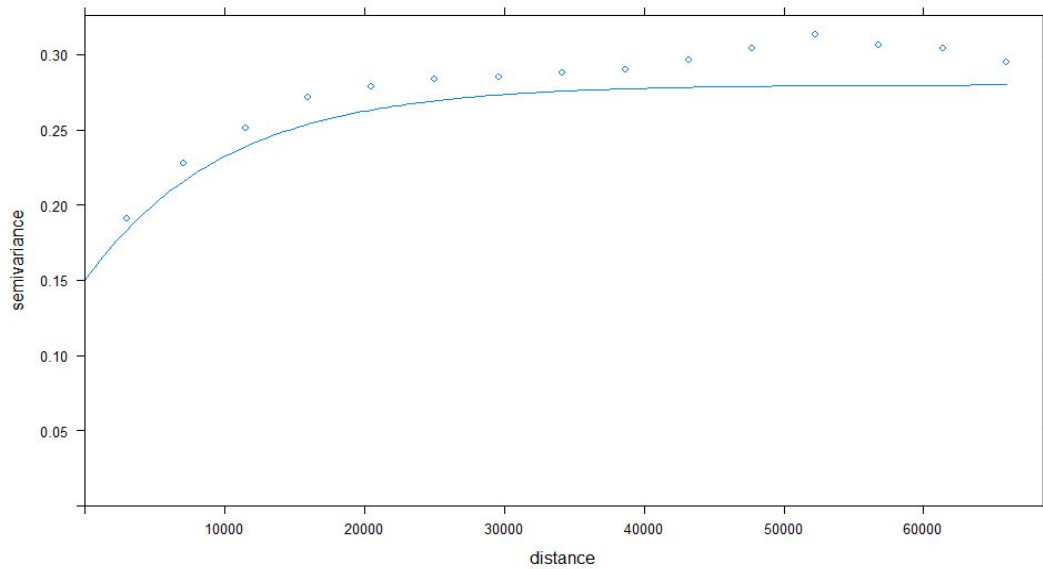
```

3.2 Model sferyczny, fit.variogram()
fSph <- fit.variogram(pHvar, Sph)
plot(pHvar, fSph)

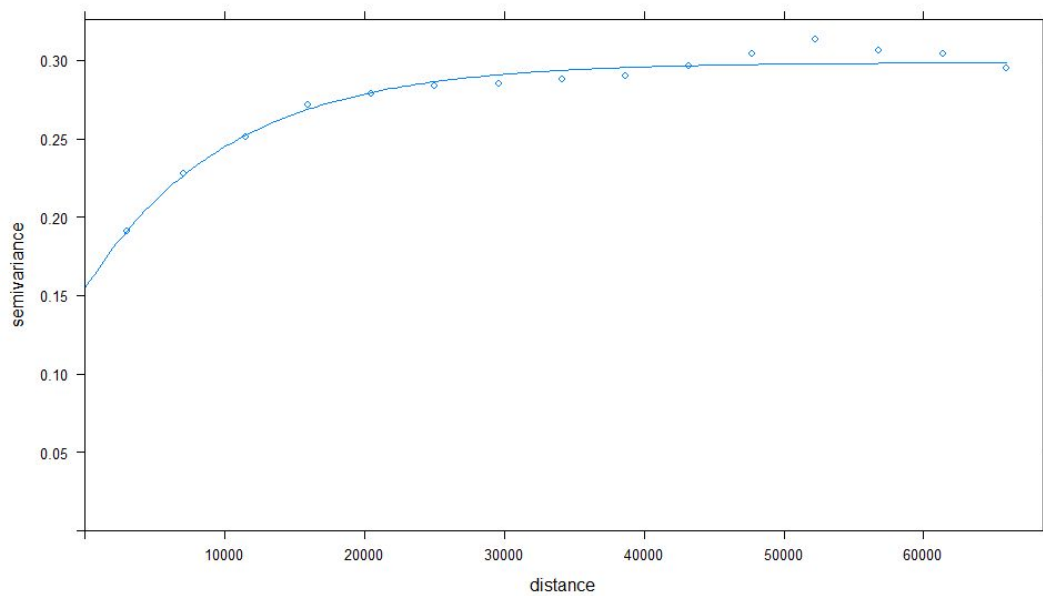
```



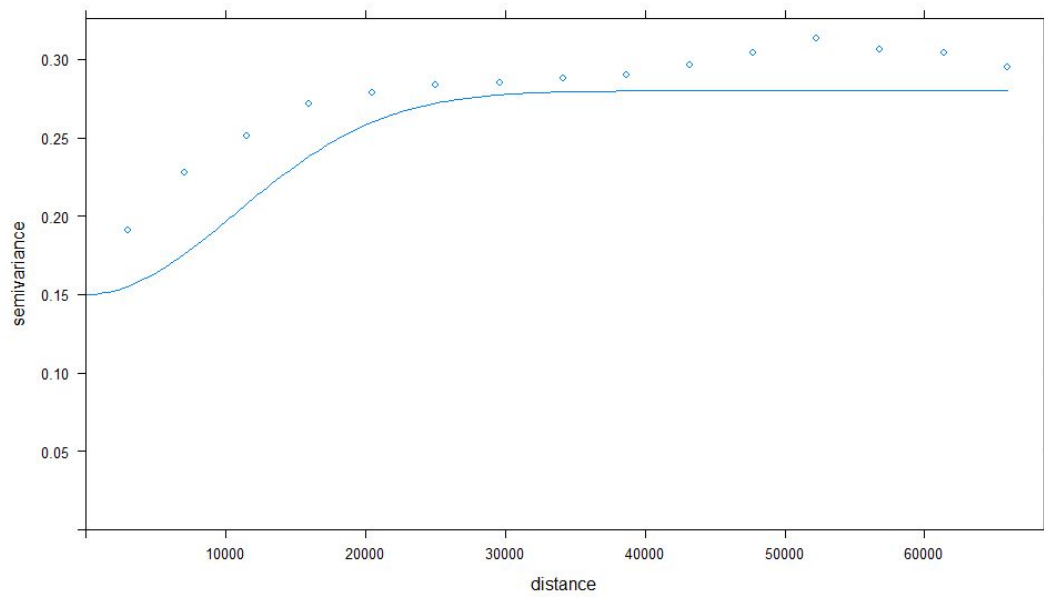
4.1 Model wykładniczy
Exp<- vgm(0.13, "Exp", 10000, 0.15)
plot(pHvar, Exp)



4.2 Model wykładniczy. Fit.variogram()
fExp <- fit.variogram(pHvar, Exp)
plot(pHvar, fExp)



```
5.1 Model gaussowski
Gaus <- vgm(0.13, model = "Gau", 15000, 0.15 )
plot(pHvar, Gaus)
```



```
5.2 Model gaussowski, fit.variogram()
fGaus <- fit.variogram(pHvar, Gaus)
plot(pHvar, fGaus)
```

