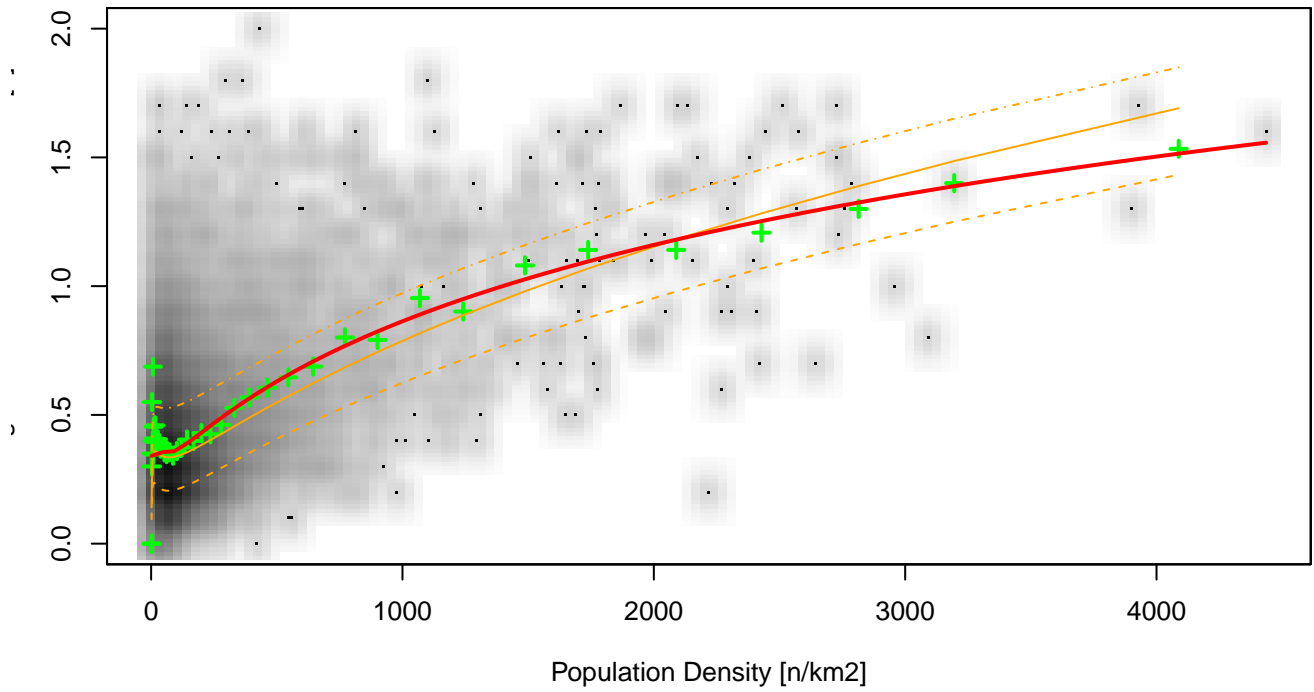


**Correlation Chart**  
**Average number of common walls = f( Population Density)**



- + Local averages
- 25% Quantile
- 50% Quantile
- 75% Quantile
- $y = \text{Const} + a\tilde{x} + b\tilde{x}^2 + c\tilde{x}^3 + d\tilde{x}^4$ ;  $\tilde{x} = \ln(x)$

$x$  = Population Density  
 $y$  = Average number of common walls  
 Const = 0.0844256206669  
 $a = 0.509345407415$  ;  $b = -0.224269236005$   
 $c = 0.0342874642335$  ;  $d = -0.00146672896543$

## Correlation Sum Check

