Math exercises IV

To get the credit, hand in your solutions by 4.11.

1. Explain why $K$-function is invariant under random thinning (p. 135).

2. Explain why

$$K(h,t) = K_S(h)K_T(t),$$

when there is no space-time interaction.

3. What kind of nuisance parameters are there in the null distribution of the case-control test (p. 135)? What are their sufficient statistics? (see also pp. 144-146)

4. Same question about the null distribution of no space-time interaction (p. 151).

5. Your turn to ask! What have you not understood in the lectures and/or exercises this far? Or what would you like to know more about?