



MAX PLANCK INSTITUTE
FOR DEMOGRAPHIC
RESEARCH

Prevalence and the variance of state occupancy time

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Health inequality

Health inequality

Variance

Question:

Question: In a Sullivan setting,
can we know the variance of
state occupancy time?

Answer:

Answer: No, sorry.

Answer: No, sorry.
But wait!

Preliminary observations

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- ▶ life trajectories come first

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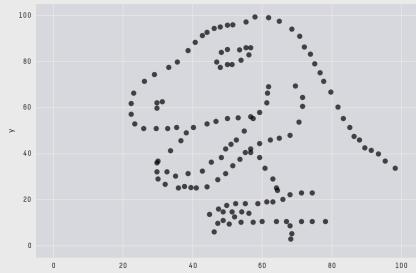
Preliminary observations

- ▶ life trajectories come first
- ▶ trajectories observed or generated
- ▶ assumptions required to generate
- ▶ we have some assumptions

Many ways to combine
survivorship and prevalence. . .

Anscombosaurus

(HT Alberto Cairo)



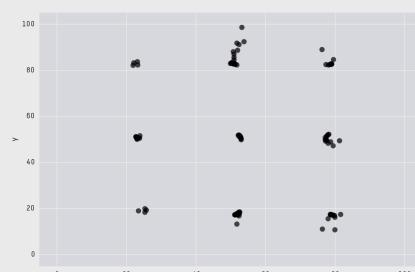
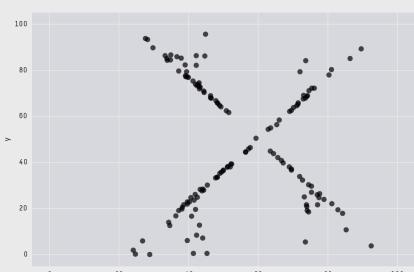
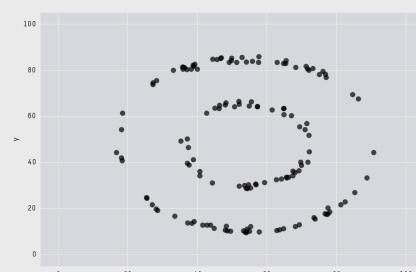
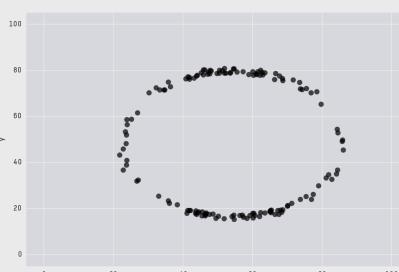
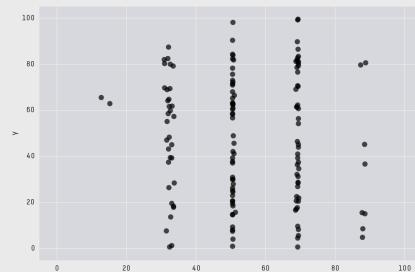
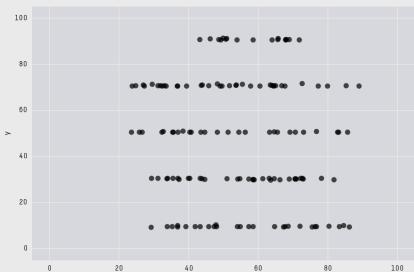
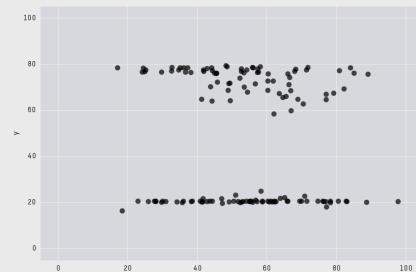
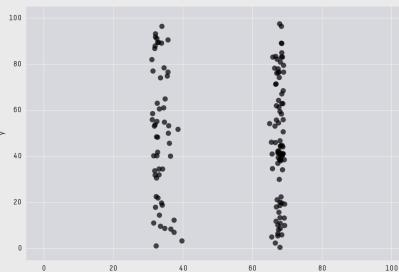
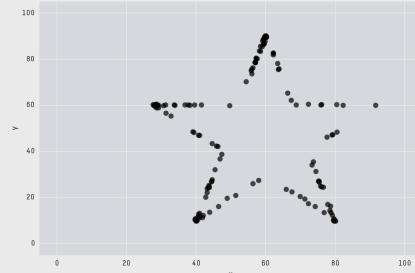
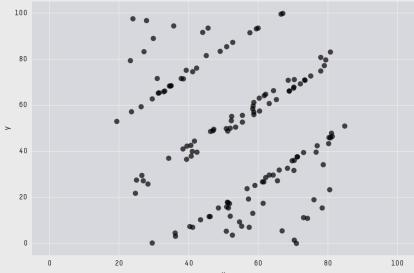
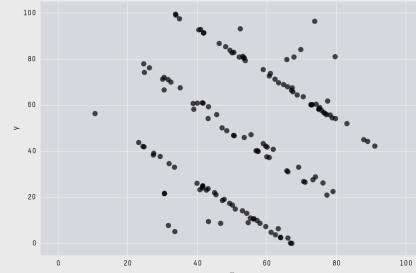
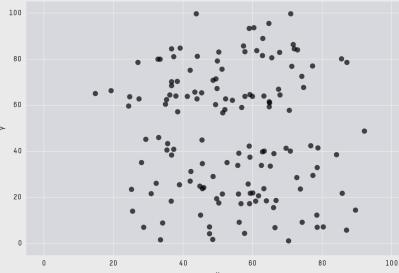
X Mean: 54.26

Y Mean: 47.83

X SD : 16.76

Y SD : 26.93

Corr. : -0.06



Data & Methods

