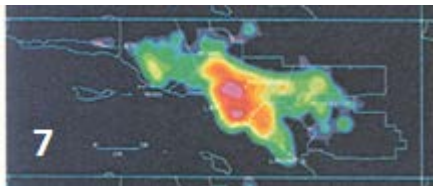
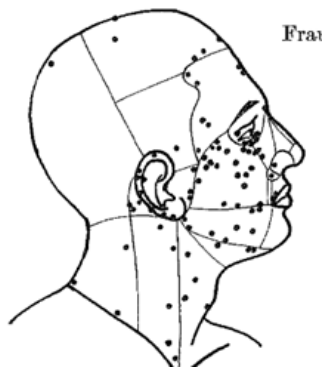


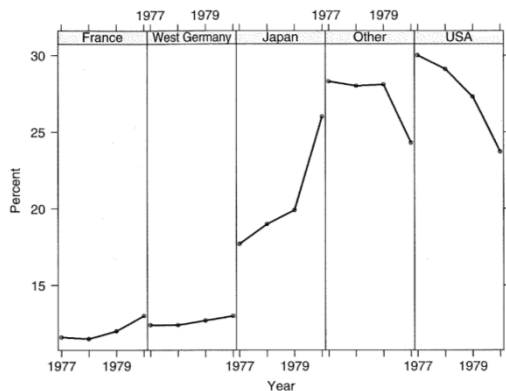
Small multiples are multivariate, comparative, high density, and tell a story.



Video frame



Pictorial

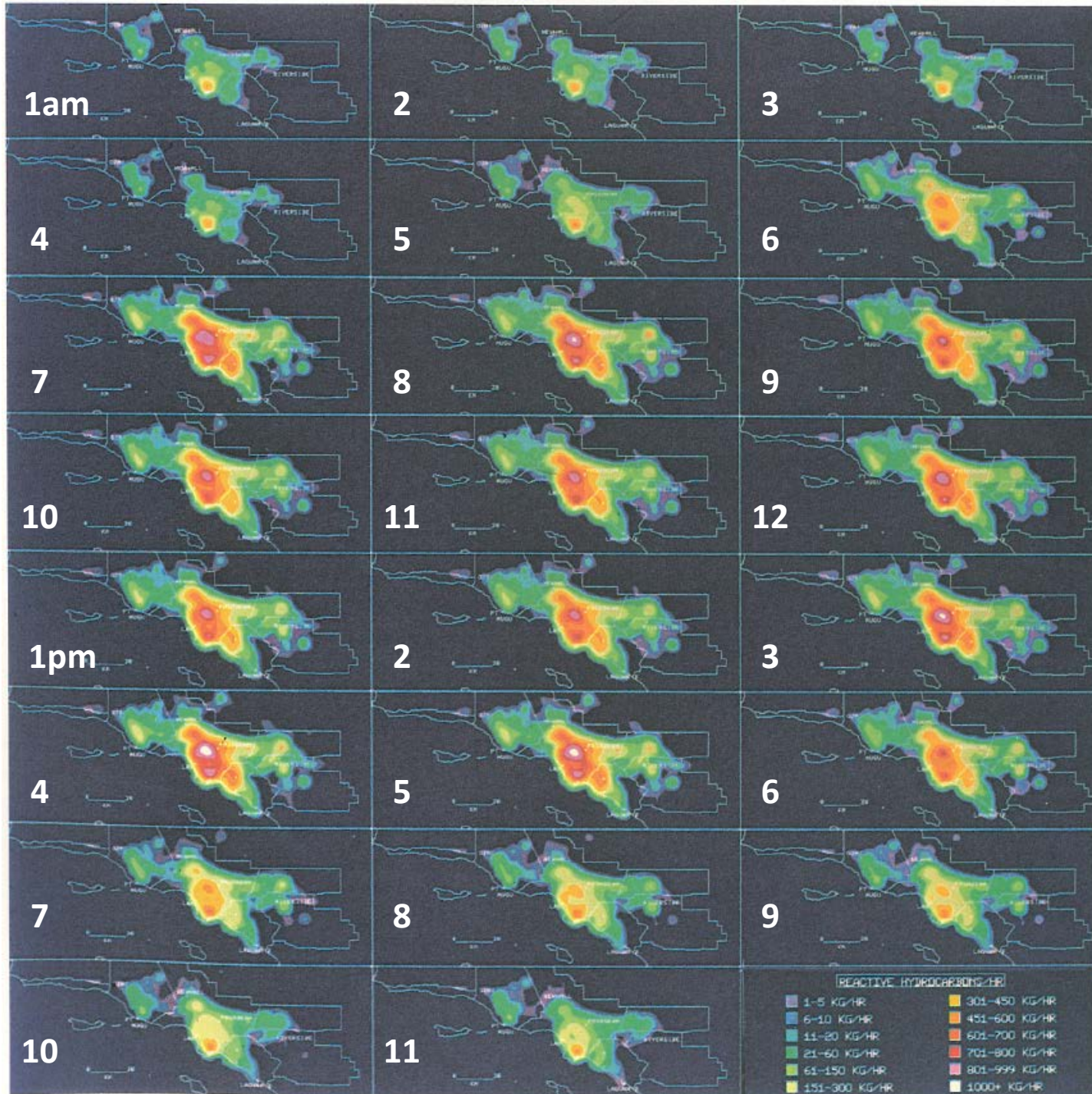


Time series

72					12 - 18
70					8 - 13
69					8 - 12

Tabular

Hourly average reactive hydrocarbons, Los Angeles, 1982.



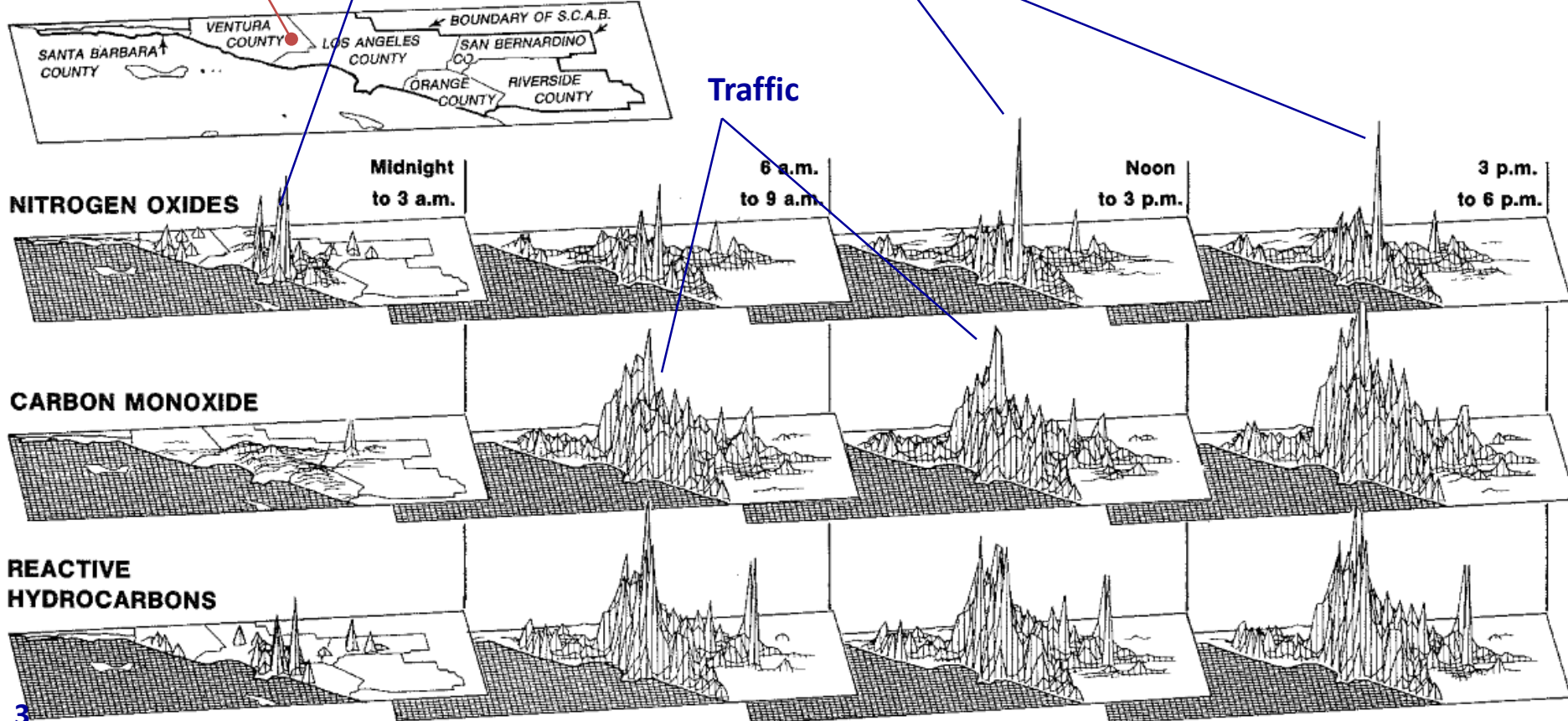
Levels of 3 air pollutants in 6 counties and how they change during the day.

I lived here
for 10 years

Refineries and a steel plant

Traffic and power plants

Traffic



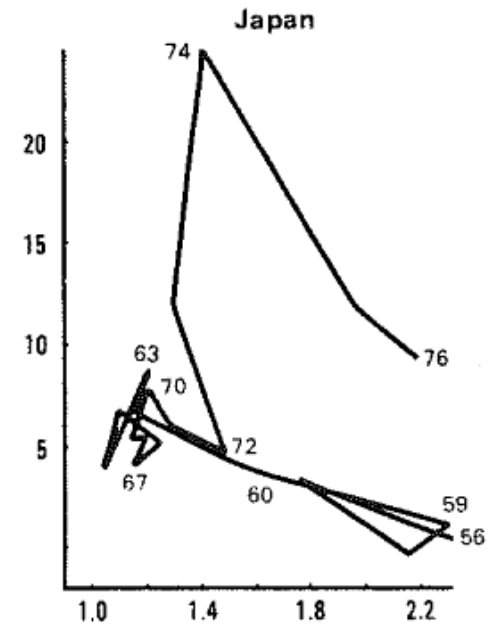
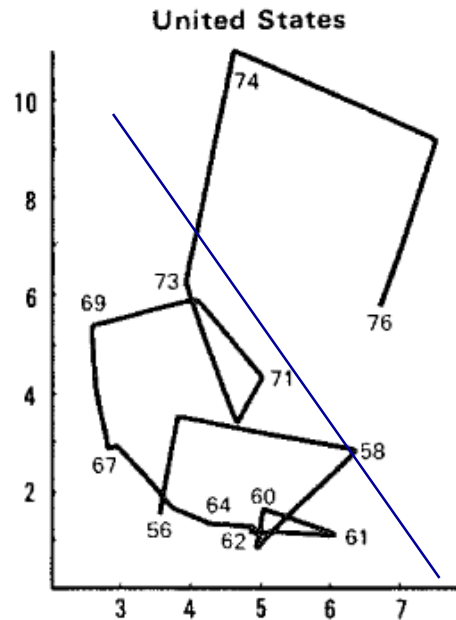
A misconception: full employment increases inflation.

Or, unemployment and inflation are inversely proportional.

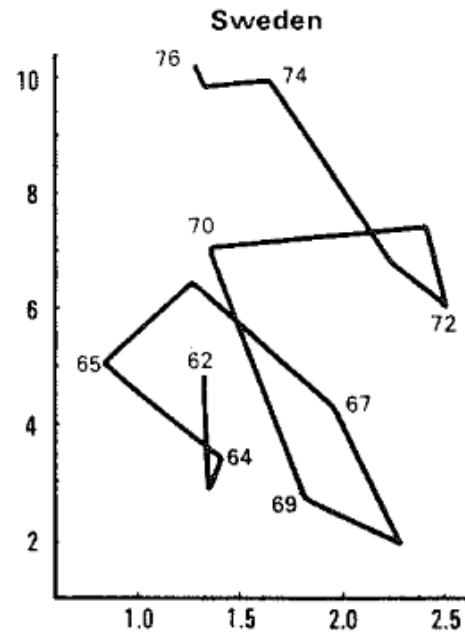
But over a 20-year span, no correlation.

Do you see the violation of small-multiple principles?

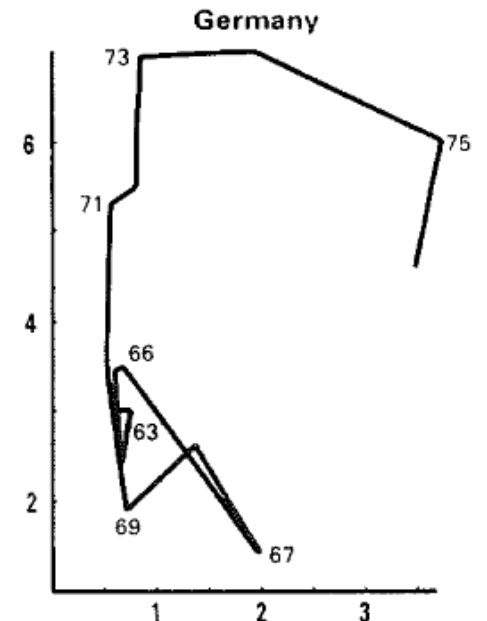
Inflation (%)



Inflation (%)



Unemployment (%)



Comparing the occurrence of skin cancer in men and women (1974).

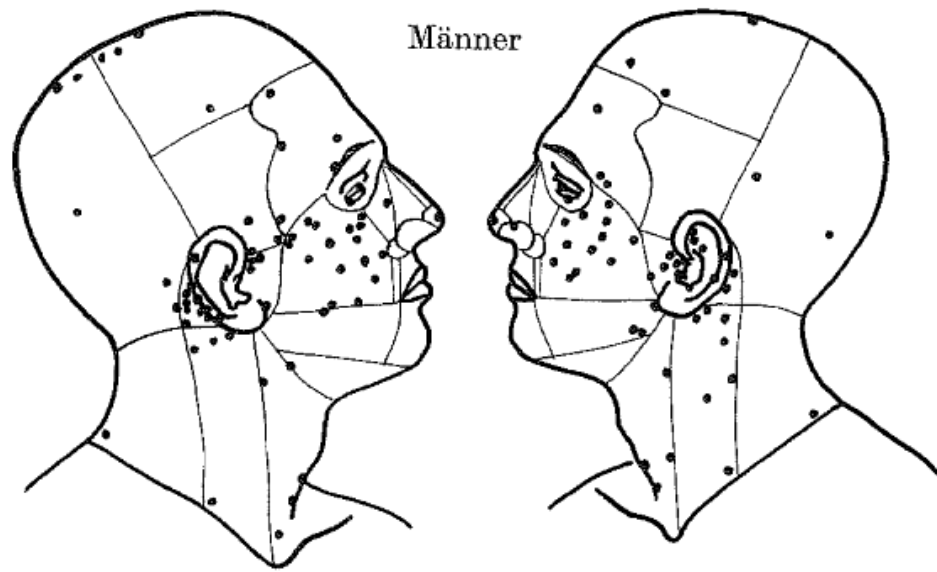


Abb. 2

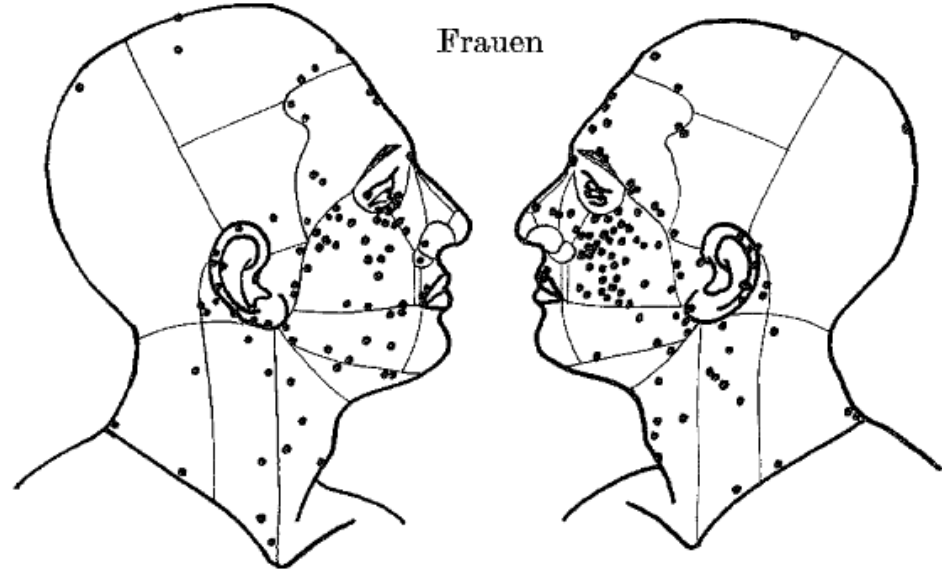
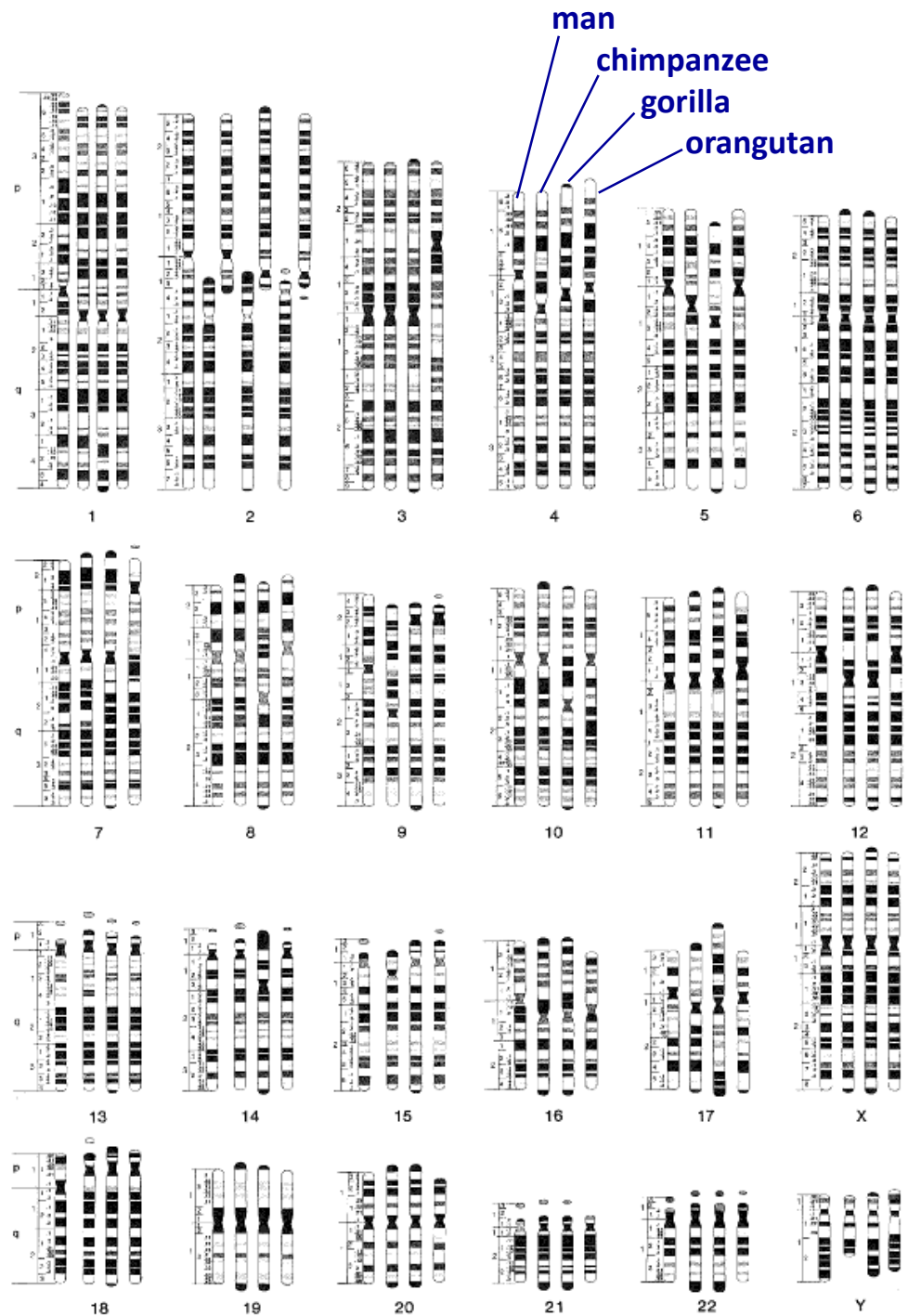



Abb. 3

Abb. 2 u. 3. Differenzierung der Melanomverteilung nach Geschlechtern

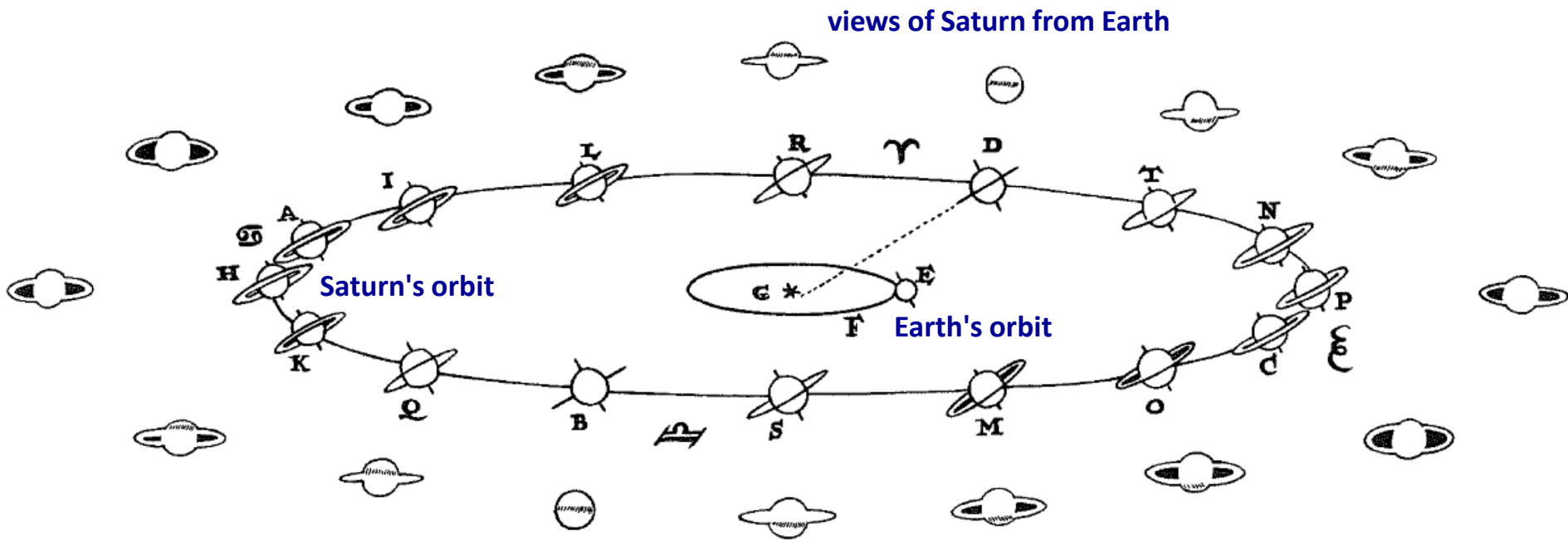
The 23 chromosomes of 4 primates are remarkably similar.



Consumer Reports ratings summary of portable generators is an ingenious mix of table and graphic.

Brand & Model		Price	Ratings and Test Results					
<div>  </div> <div>Portable generators</div>		Price	<div> <div>Overall score</div> <div> <div>0</div> <div>100</div> </div> <div> <div>P</div> <div>F</div> <div>G</div> <div>VG</div> <div>E</div> </div> </div>	Ease of use	Power delivery	Noise	Power quality	Run time range (hrs.)
✓	Troy-Bilt XP7000 30477	\$900	72					12 - 18
✓	Honda EM6500S XK2	\$2800	70					8 - 13
✓	Briggs & Stratton 30470	\$900	69					8 - 12
✓	Honda EU6500iS	\$4500	69					5 - 11
✓	Predator 68530 ^{3 4}	\$600	68					8 - 13
✓	Generac GP5500 5939	\$700	67					8 - 14
✓	NorthStar 165603 ³	\$1500	66					8 - 12
✓	Champion 41537	\$1000	66					7 - 11
✓	Troy-Bilt 6000 30475	\$700	65					9 - 16

The orbits of Earth and Saturn plus views of Saturn from the Earth.



Christiaan Huygens, *Systema Saturnium*
(The Hague, 1659), p. 55.

Fig. 5.15 Nightingale Data: Trellis Plot

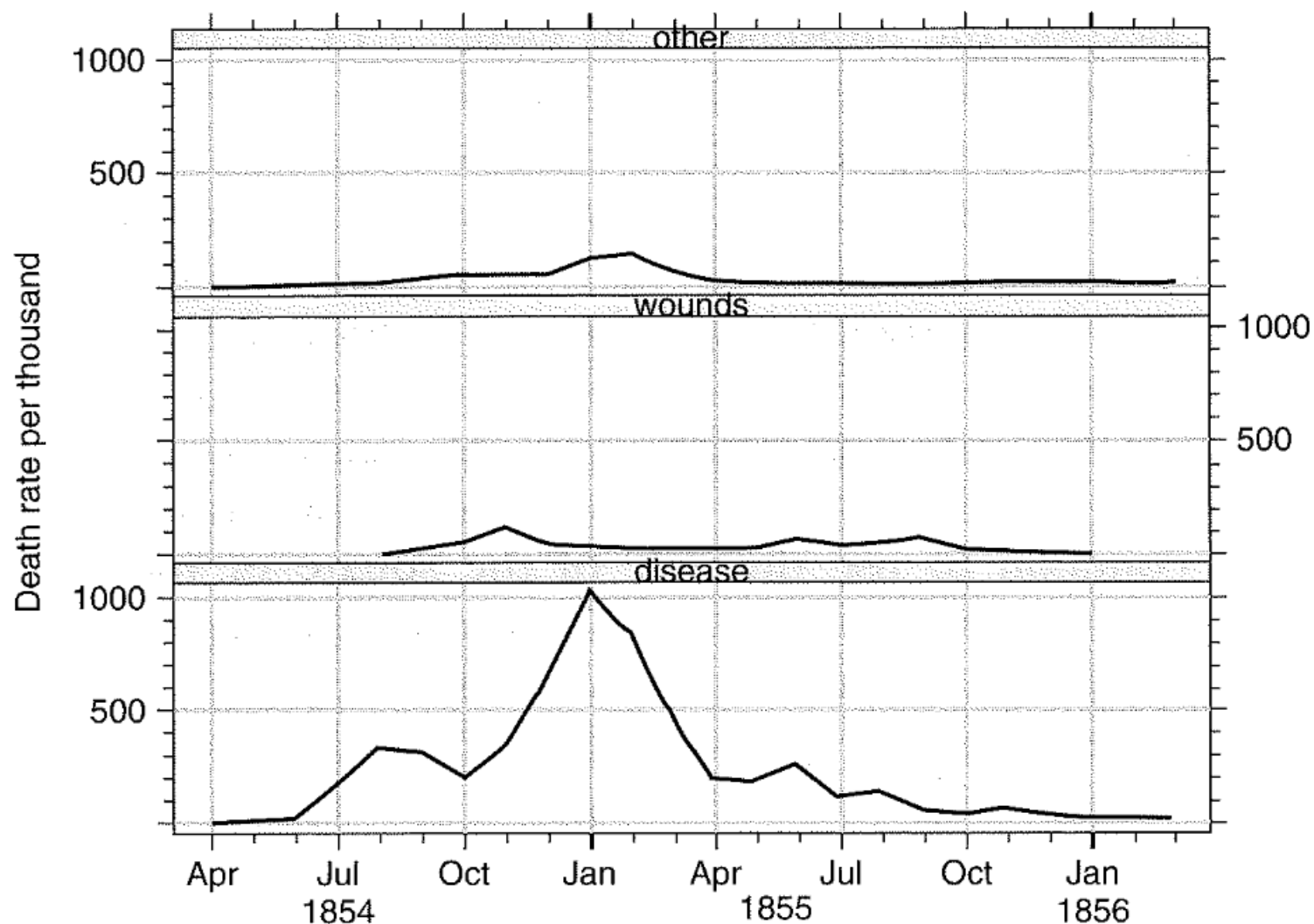


Fig. 6.8 Avoiding Superposed Data

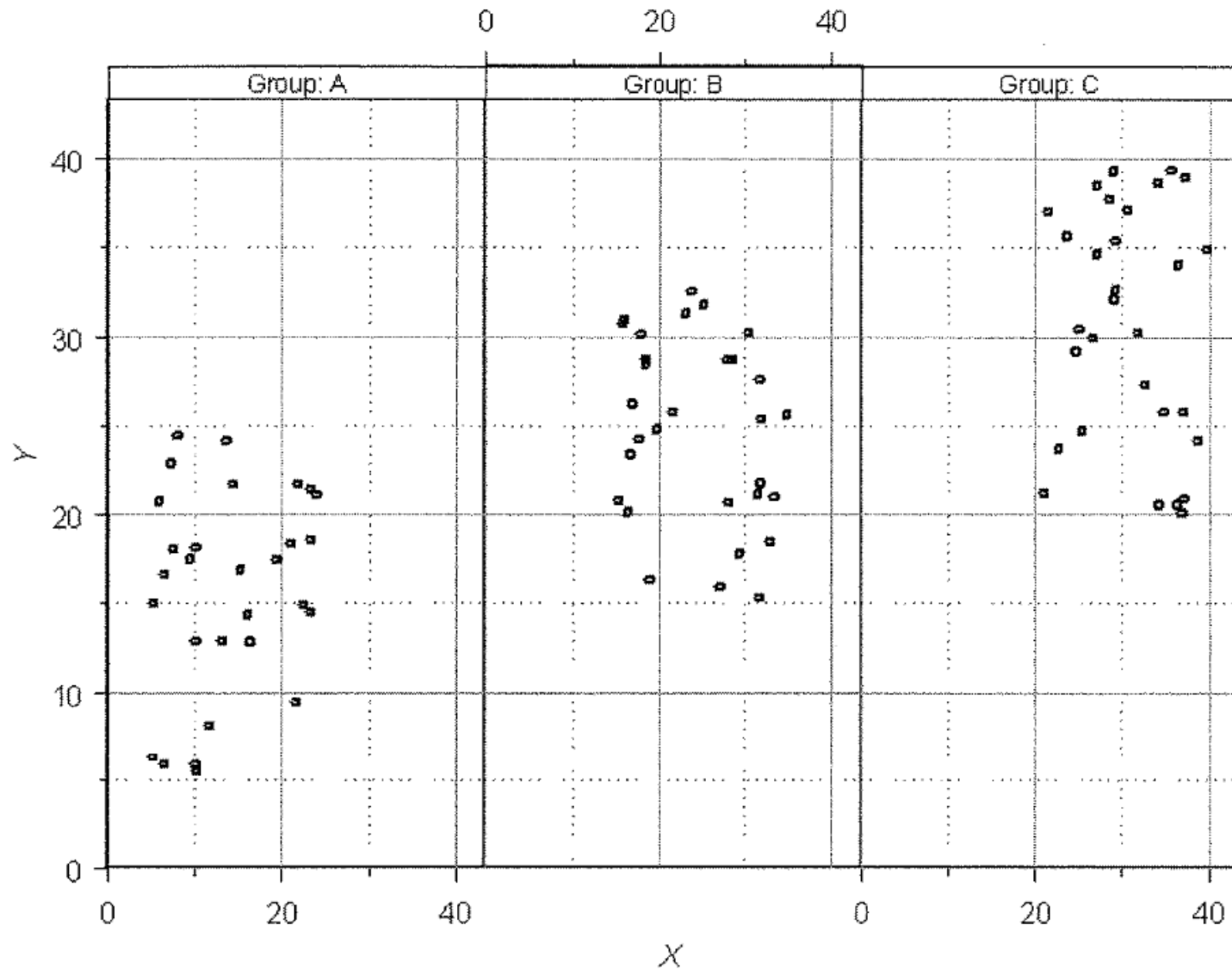


Fig. 8.13 Car Production: Trellis Panels

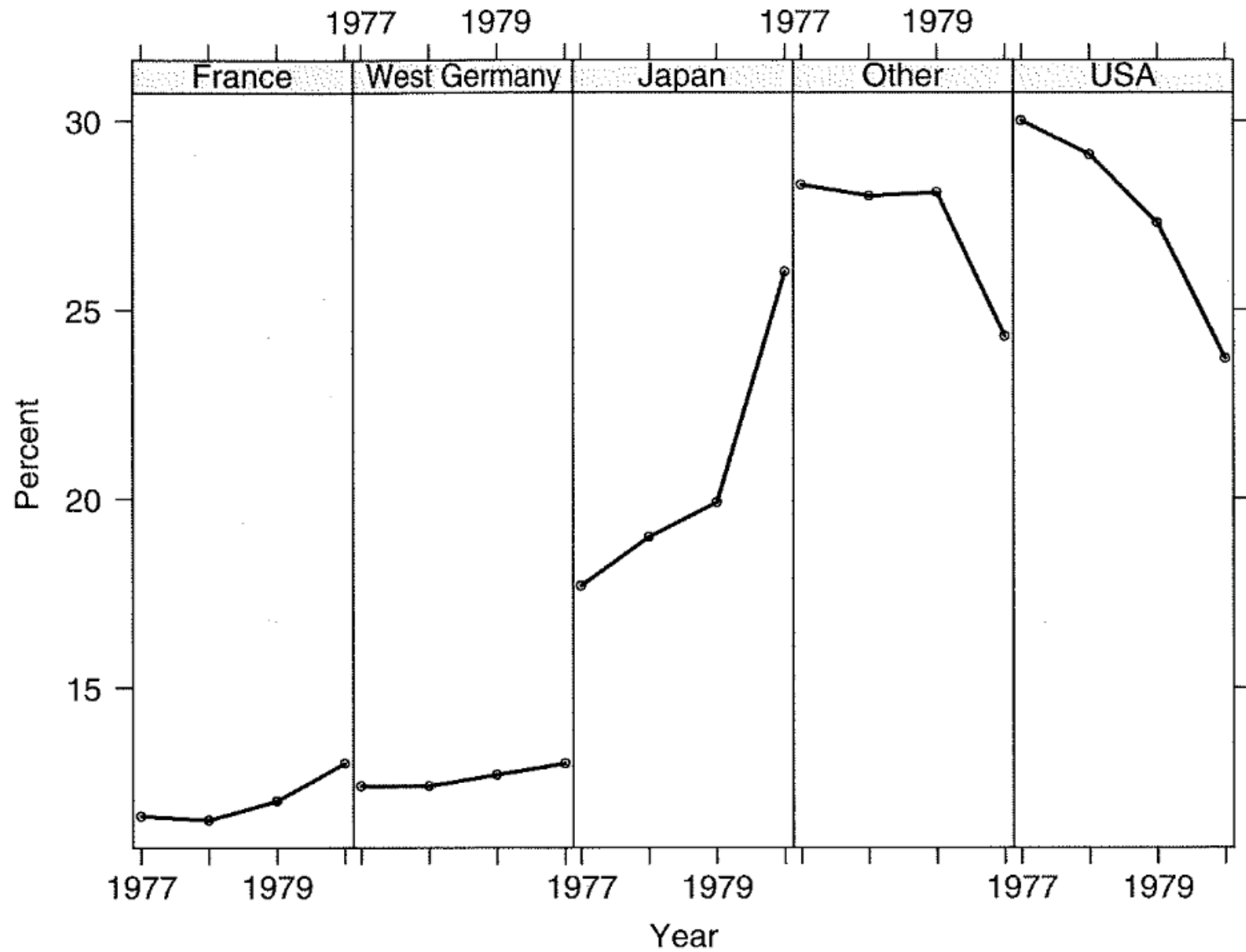
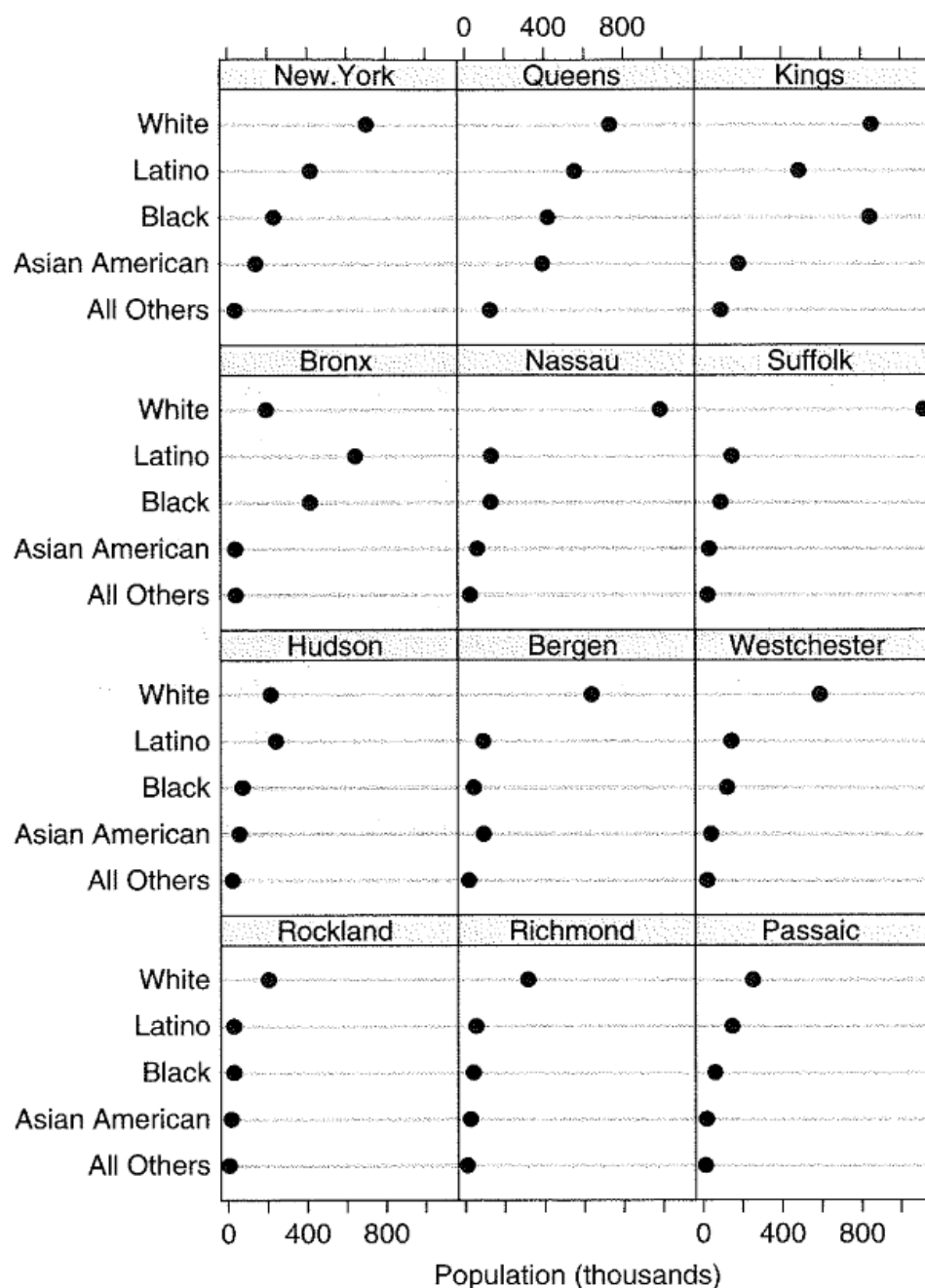


Fig. 8.15 Population Data by County



Well-designed small multiples are

- inevitably comparative
- deftly multivariate
- shrunken, high-density graphics
- usually based on a large data matrix
- drawn almost entirely with data-ink
- efficient in interpretation
- often narrative in content, showing shifts in the relationship between variables as the index variable changes