

Interrogating data

The key is the code

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Data interrogation

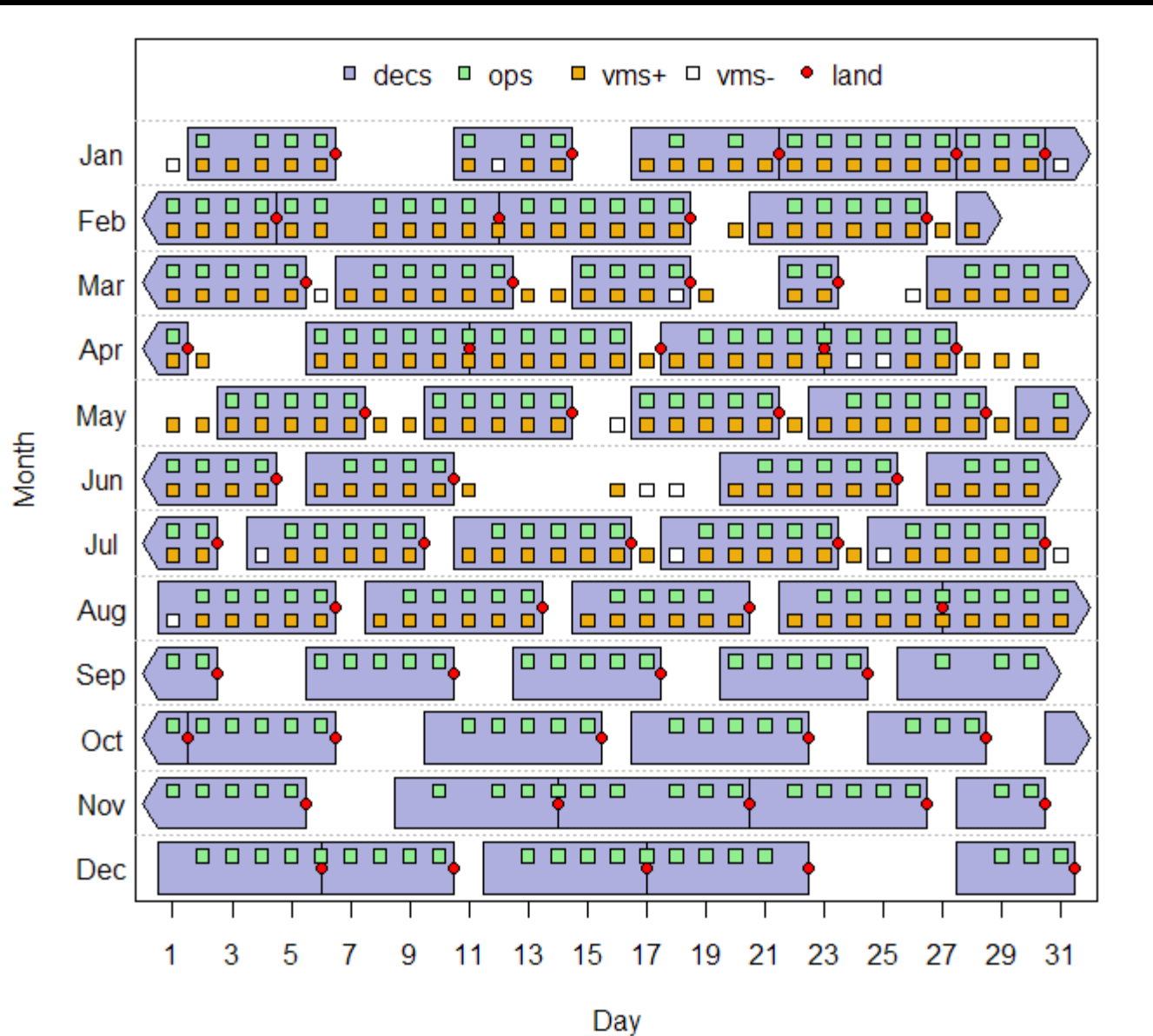


Consistency

Quality control

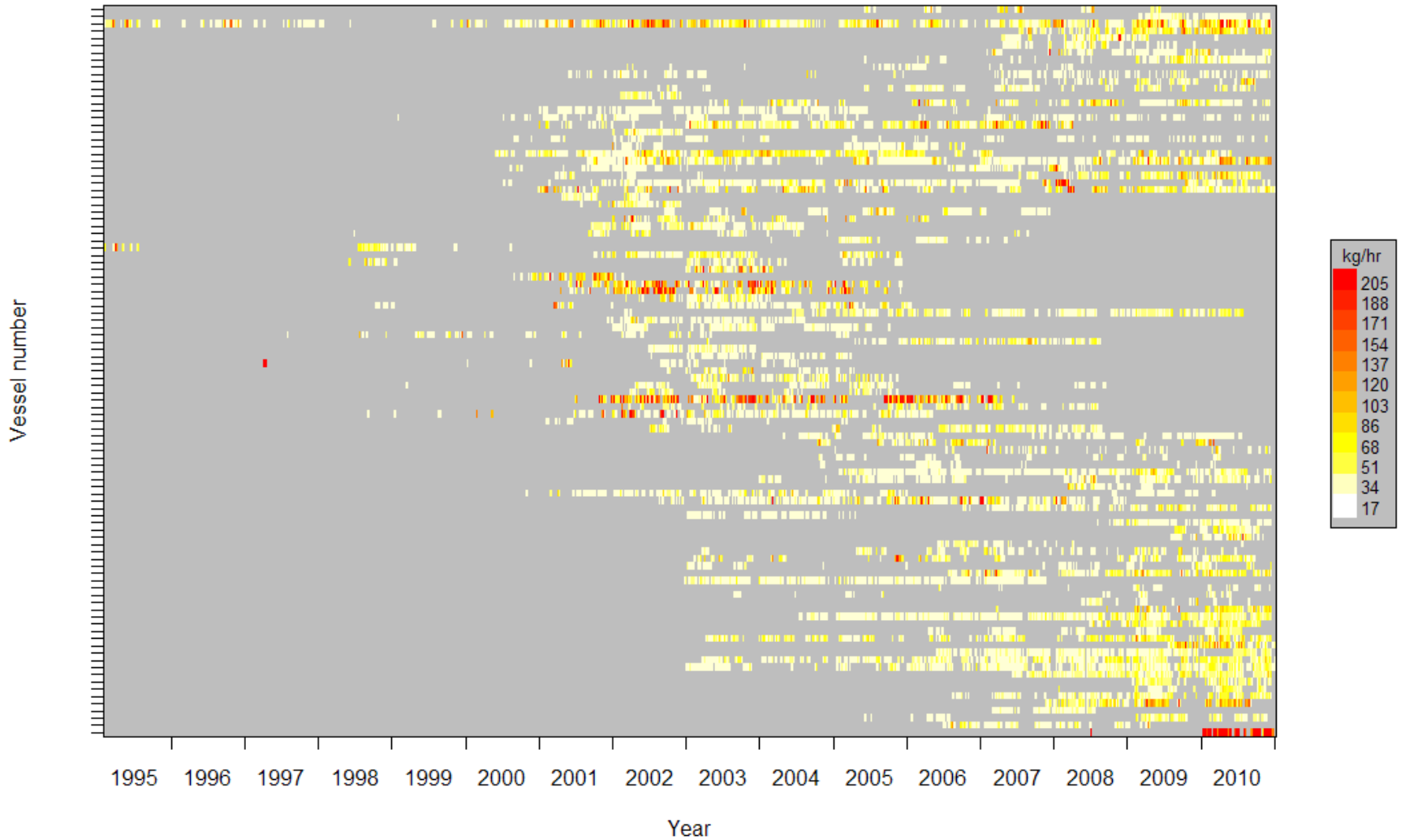
Summarising and visualising

Consistency of logbooks data

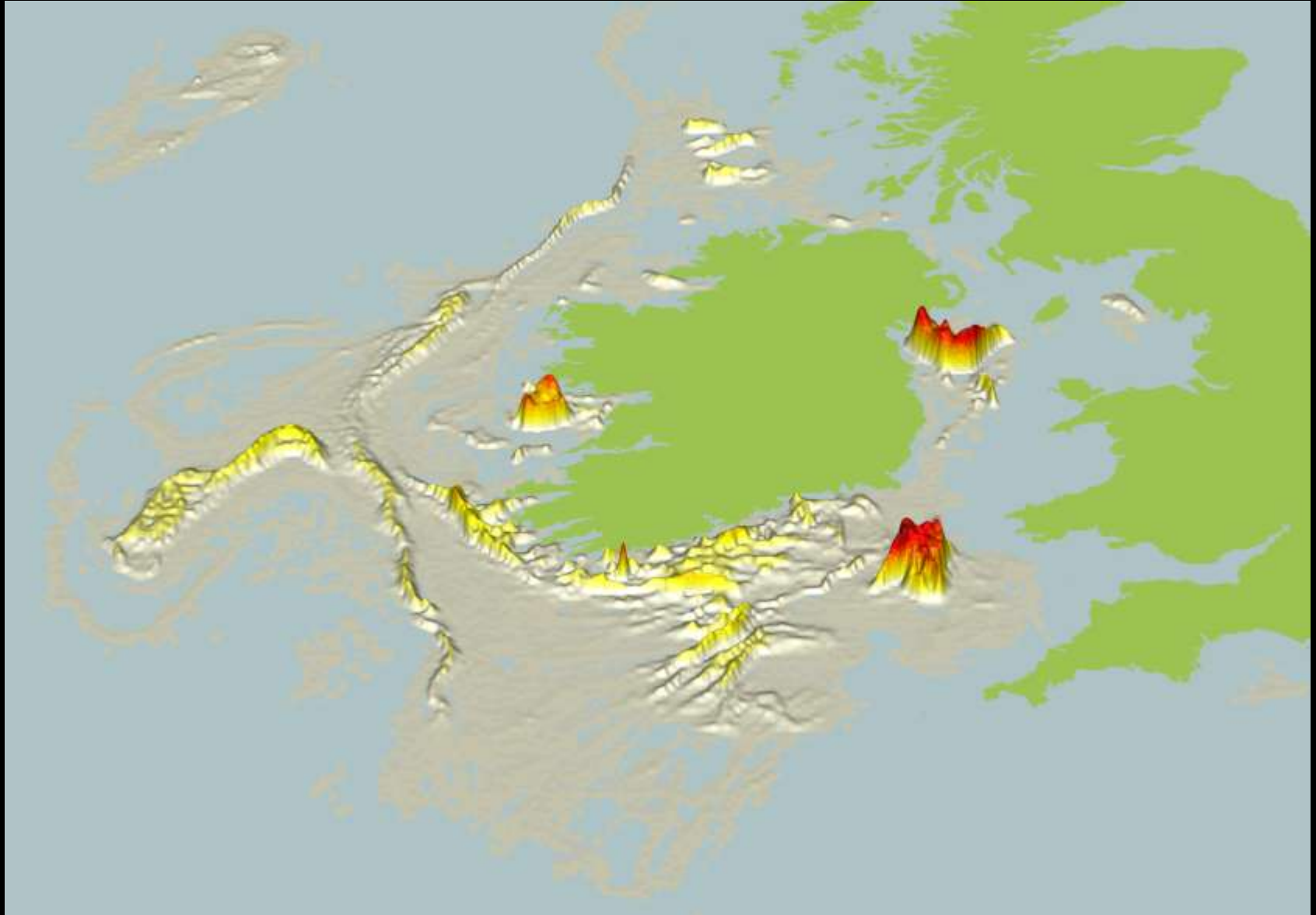


Vessel activity

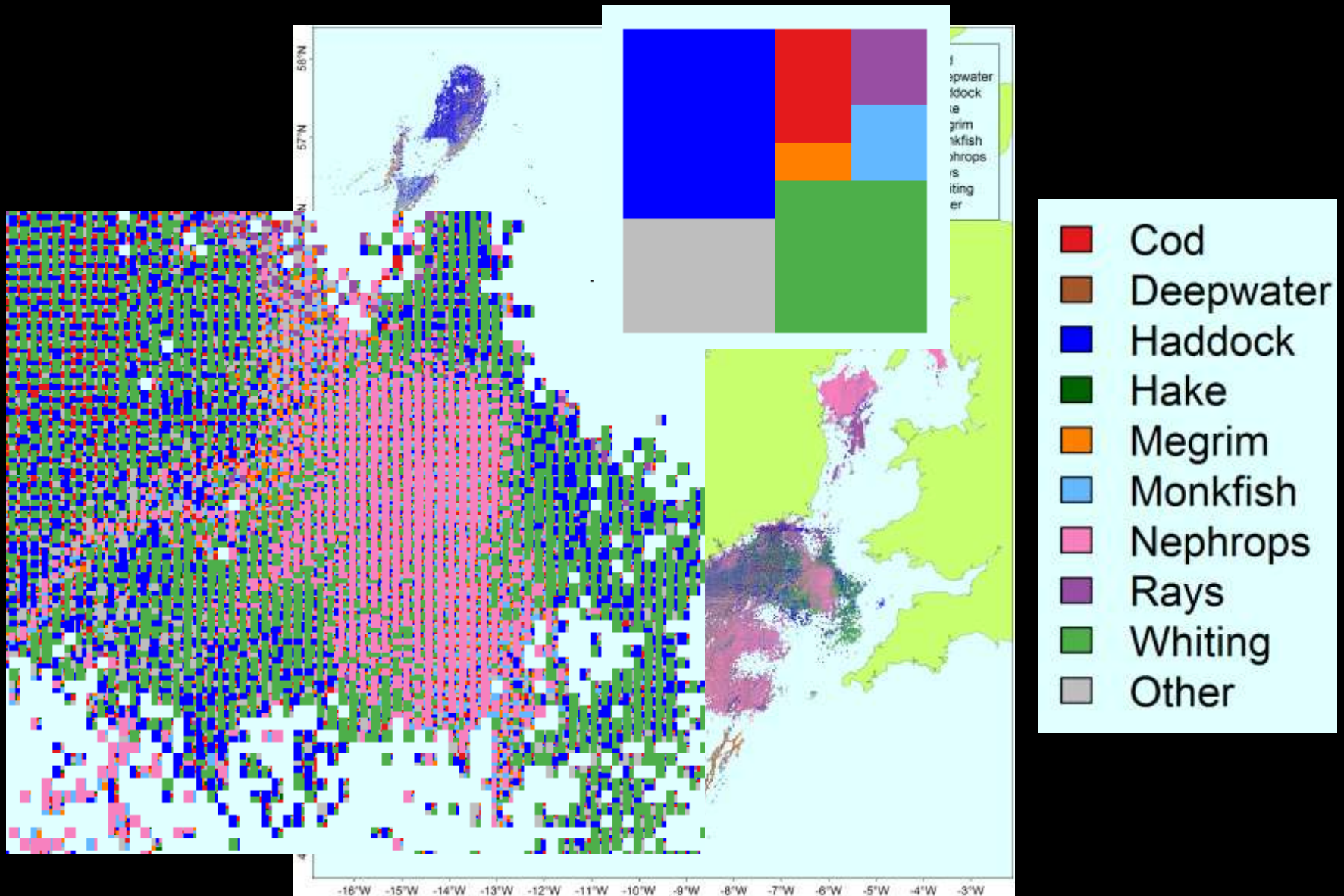
Weekly TBB megrim Ipue, top 100 vessels



Fishing effort from VMS



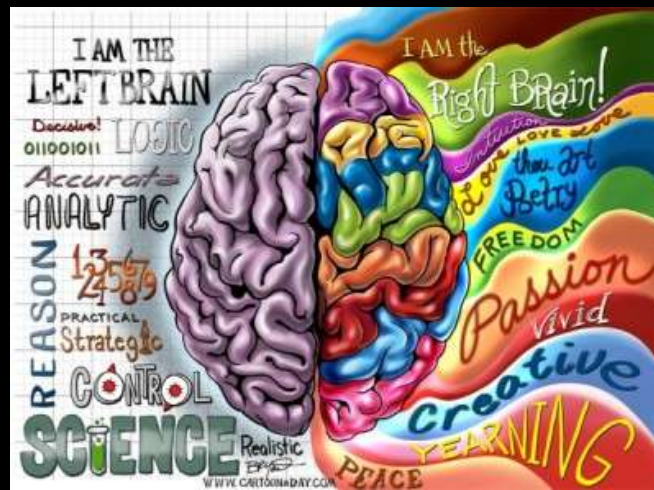
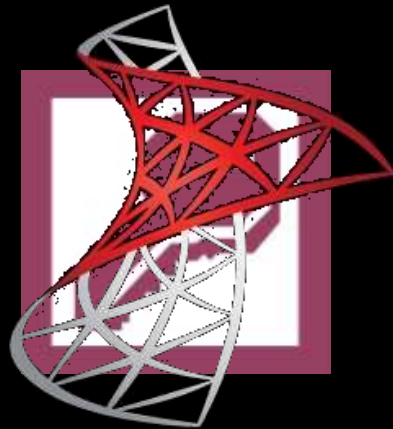
Species composition



- Non – standard plots
- High information content
- Repetitive

Skills

SQL



Code vs Pointy-clicky

Code	Pointy-clicky
All steps are recorded Reproducible	Only results are saved

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Steep learning curve But online help available Can learn it anywhere	Intuitive and easy

Conclusions

- Code can be daunting
- But plenty of help:
 - online courses; discussion forums
- Big payoff:
 - code is the key to powerful analysis