

Exploring Gloger's eco-geographic rule

Why organisms are darker in wetter & warmer environments

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BSc Hons Biological Sciences

Critical theory essay

For Arjun Amar & Petra Sumasgutner

- Eco-geographic and biogeographic rules
- Theory vs empiricism of "rules"
- Gloger's rule
- Manifestations of Gloger's rules
- Some intro stuff
- "Herein, I argue that there is sufficient evidence to support Gloger's rule as a useful and true generalisation [...]"

Origins of the rule

- Gloger's observations
- His contemporaries' thoughts
- Theoretical reasoning behind the rule

Evidence & examples

- ...
- Does the pattern exist? Is it observed in the first place?
- Dissect the observations at the intrasp., intersp., and assemblage levels
- Animal vs plant e.g. -> differences in meaning and interpretation

Mechanisms behind the pattern

- ...
- Connect evidence above to mechanisms described in their respective papers (if applicable)
- & mechanisms from other papers concerning pigment and environment (e.g. Tate et al. 2016)
- Dissect the observations at the intrasp., intersp., and assemblage levels MECHANISTICALLY
- Animal vs plant e.g. -> differences in meaning and interpretation for MECHANISM

Concluding remarks

- ...
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References