

Vulnerabilität und Risiko-Index

z (Altbau) = bis 1979

z (SVF) = Anteil Siedlungs-/Verkehrsfläche (%)

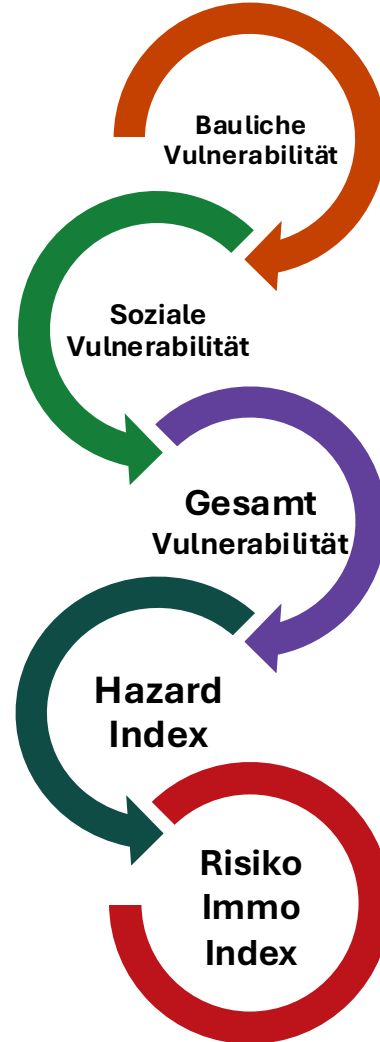
z (ρ) = Einwohnerdichte (Einw./km²)

- **z (Einkommen)**

- **z (HH_Größe)** = Haushaltgröße

+ **z (65+)** = Bevölkerung über 65 Jahre Alt

z = robust_z → Median, MAD



$$V_B = 0.50 z(\text{Altbau}) + 0.30 z(\text{SVF}) + 0.20 z(\rho)$$

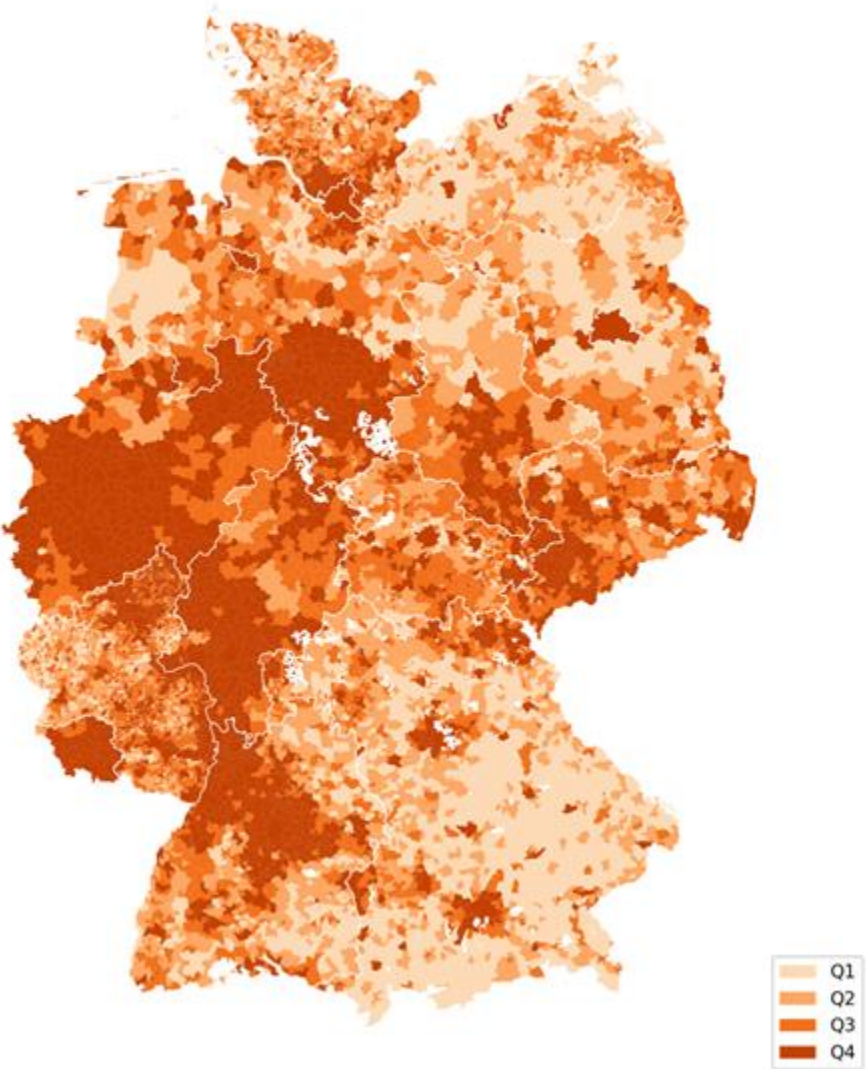
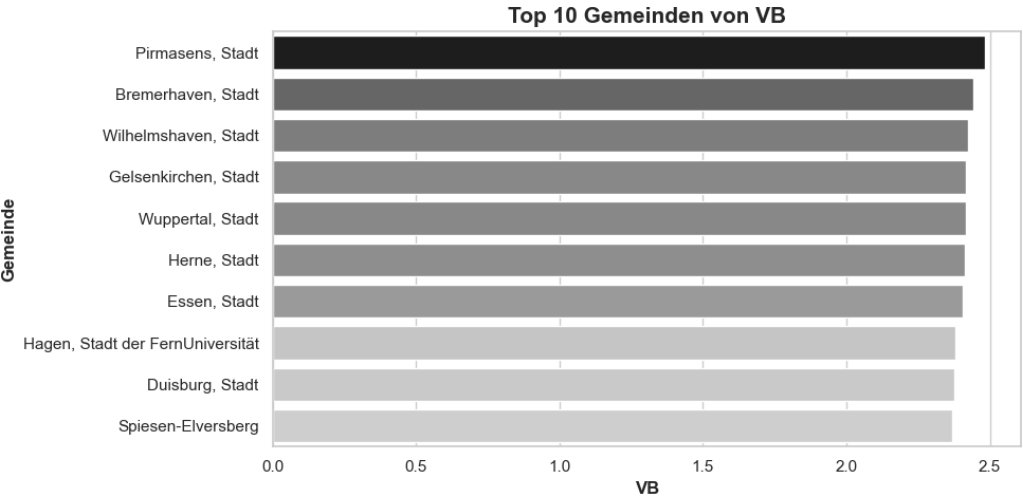
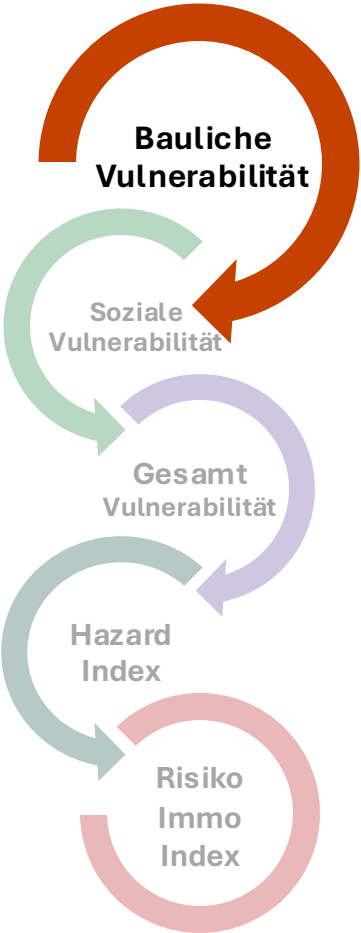
$$V_S = 0.40 (-z(\text{Einkommen})) + 0.30 (-z(\text{HH_Größe})) + 0.30 z(65+)$$

$$VUL = 0.60 V_B + 0.40 V_S$$

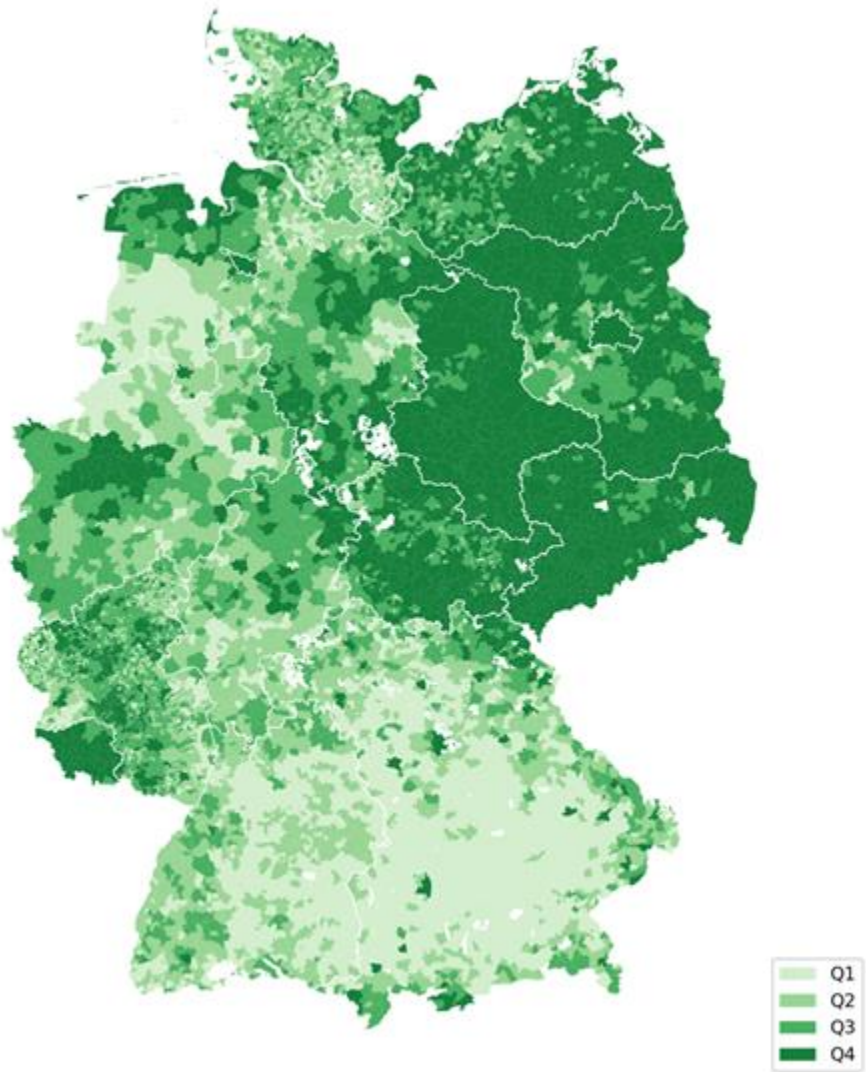
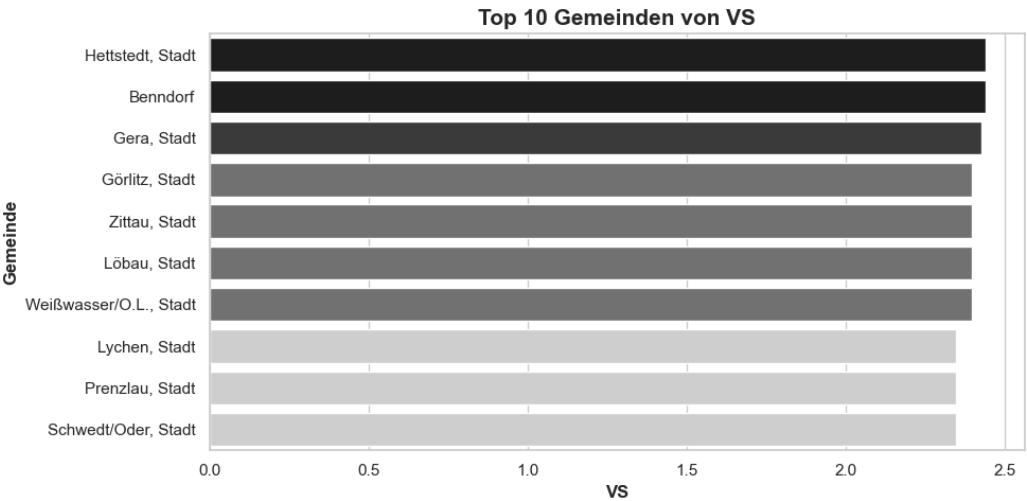
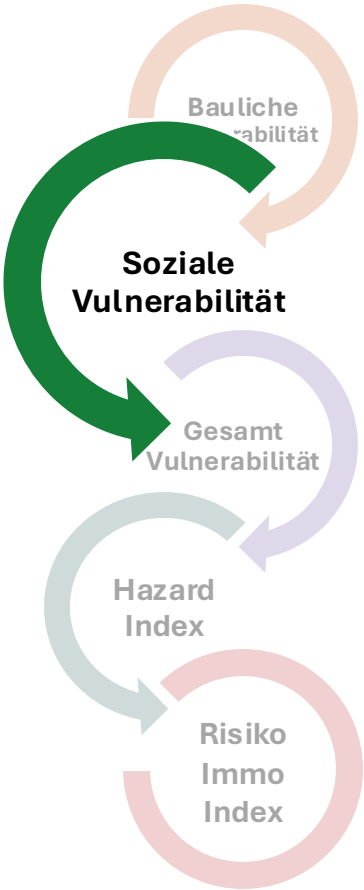
$$KEI = 0.40 S_{ws} + 0.35 HEI^+ + 0.25(-DMI)^+$$

$$RI = KEI^+ \times VUL^+$$

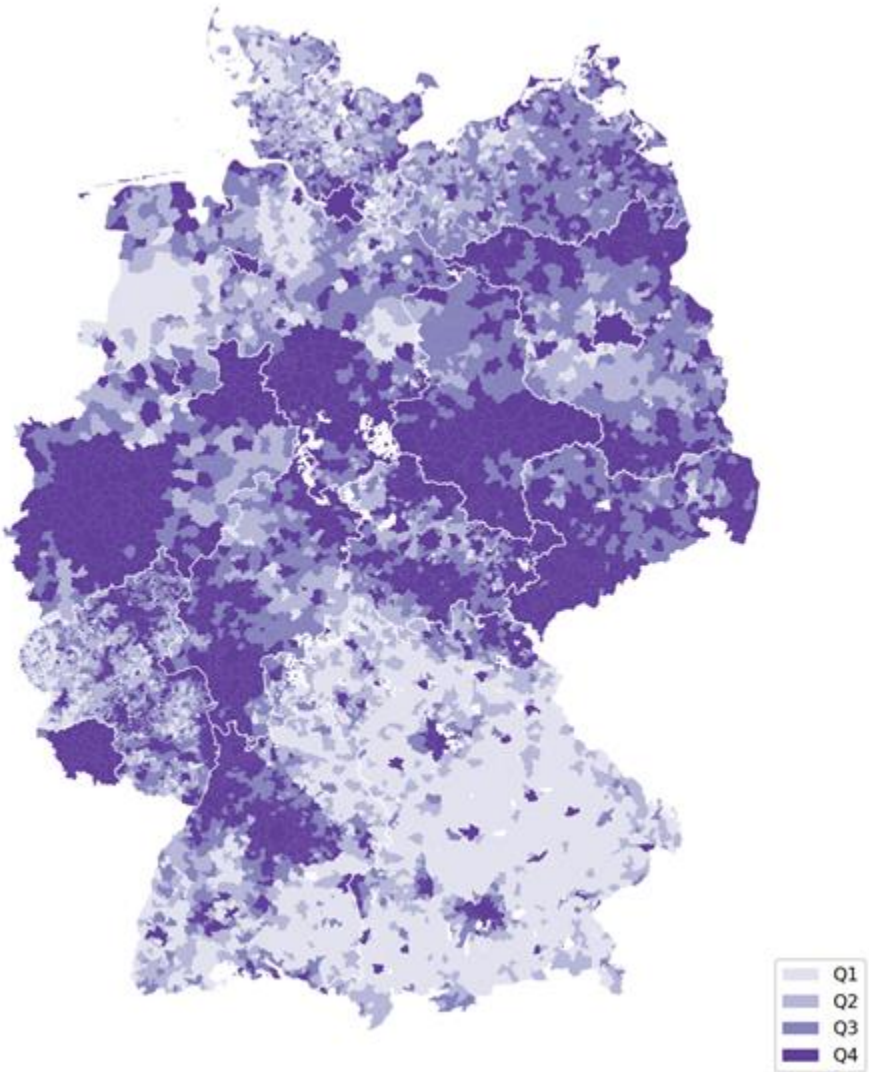
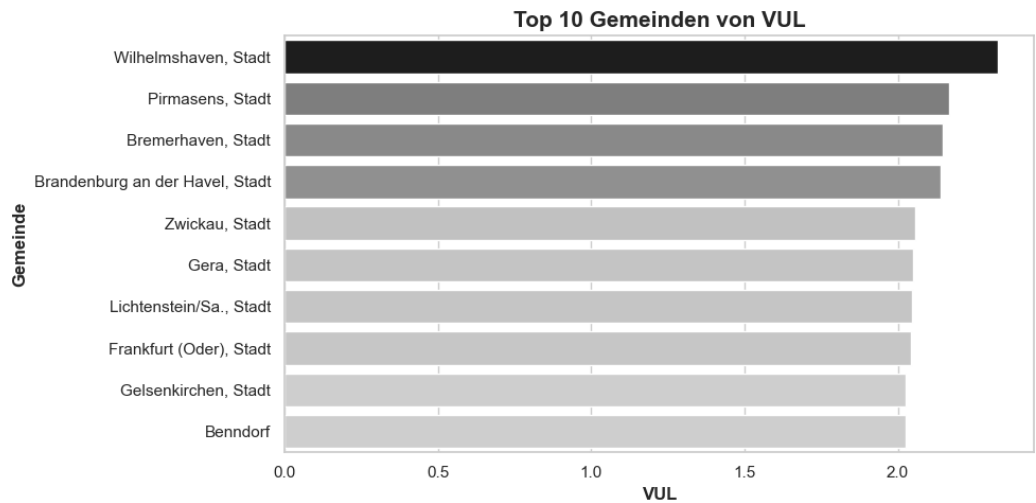
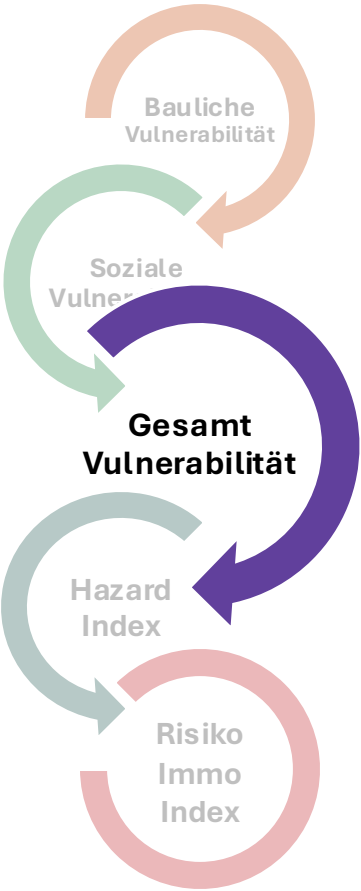
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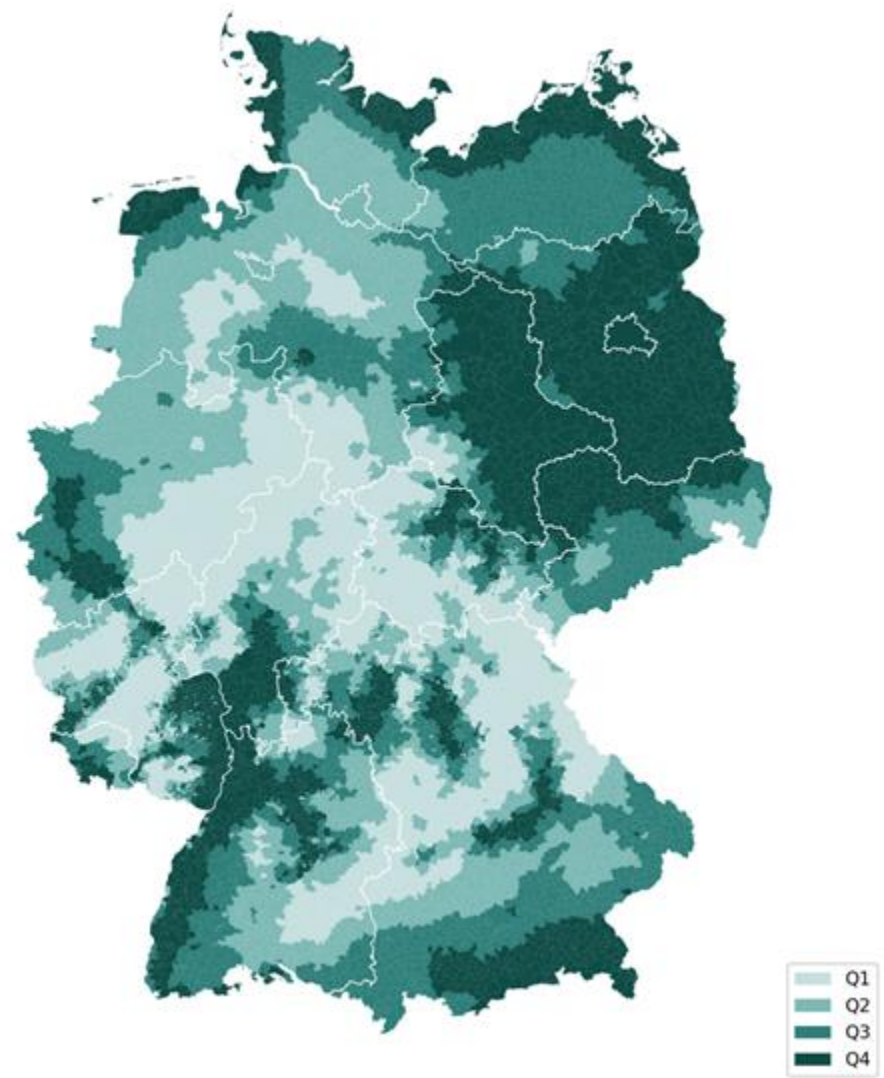
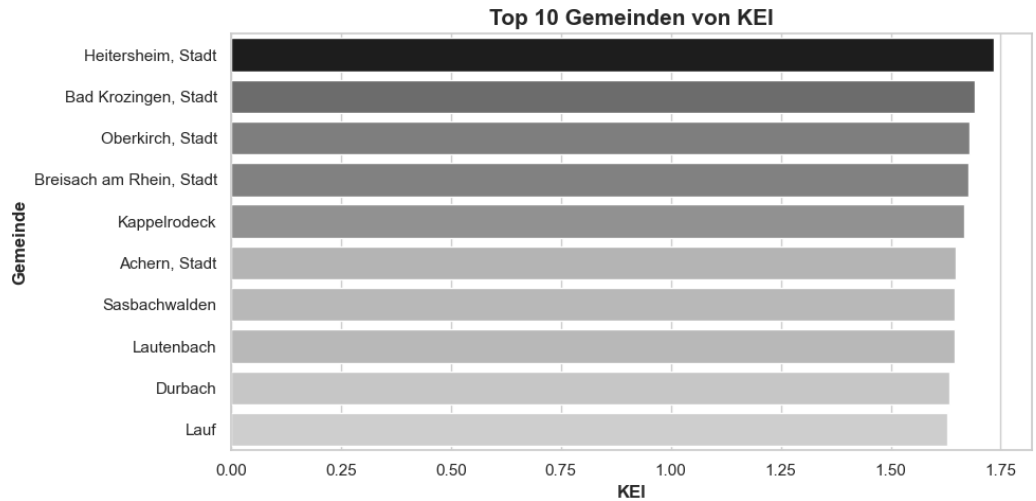
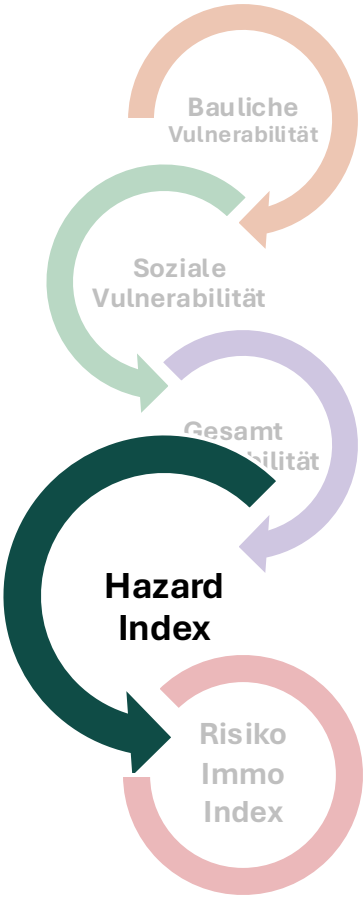
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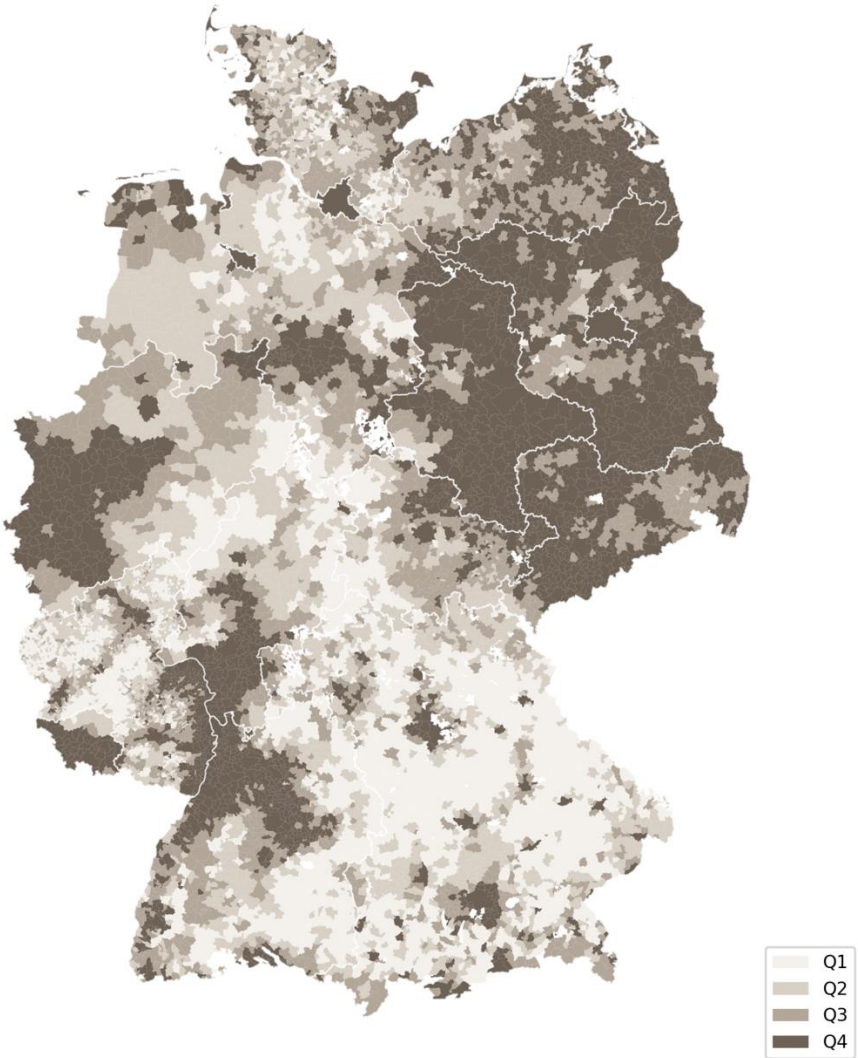
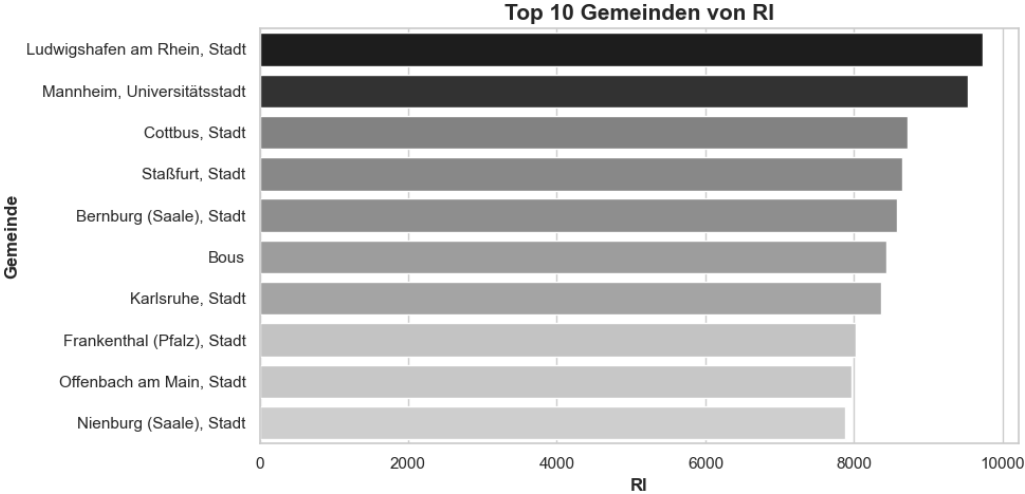
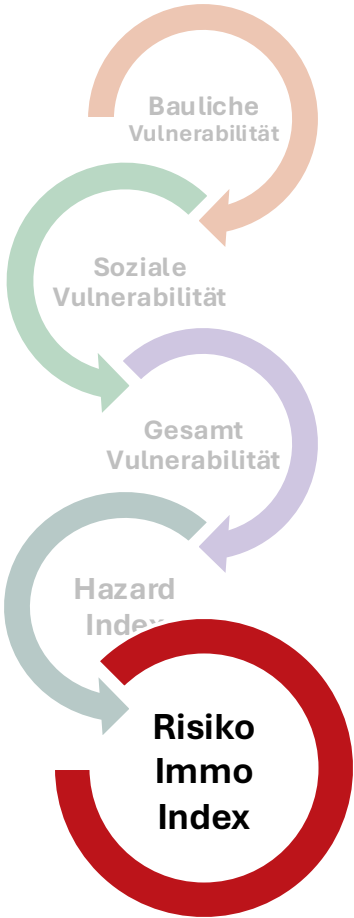
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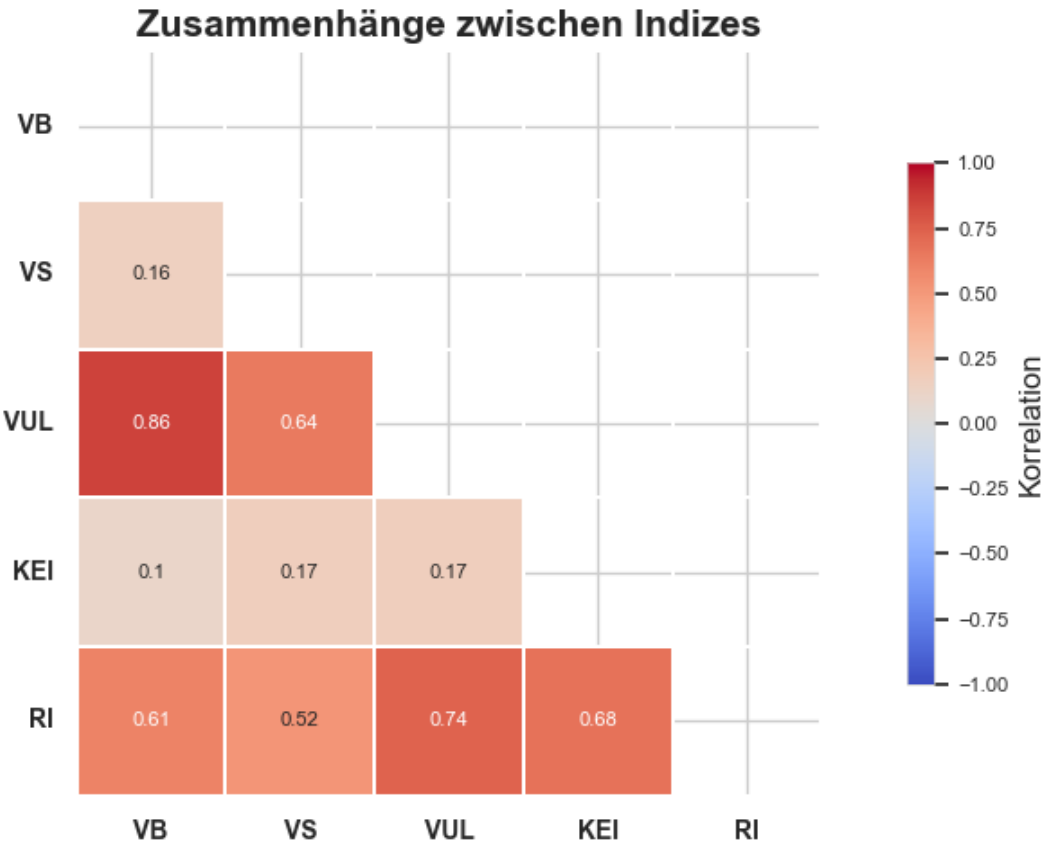
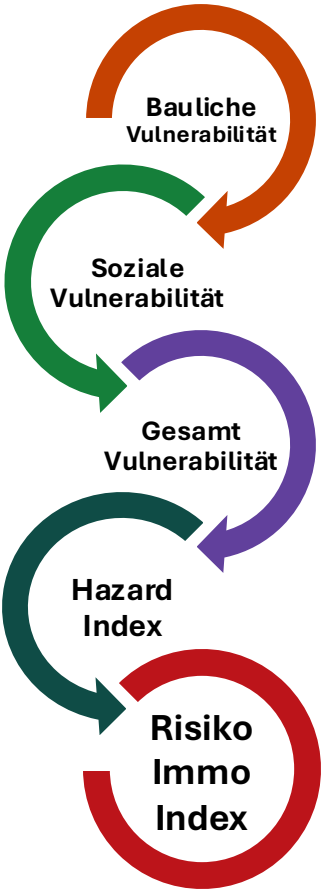
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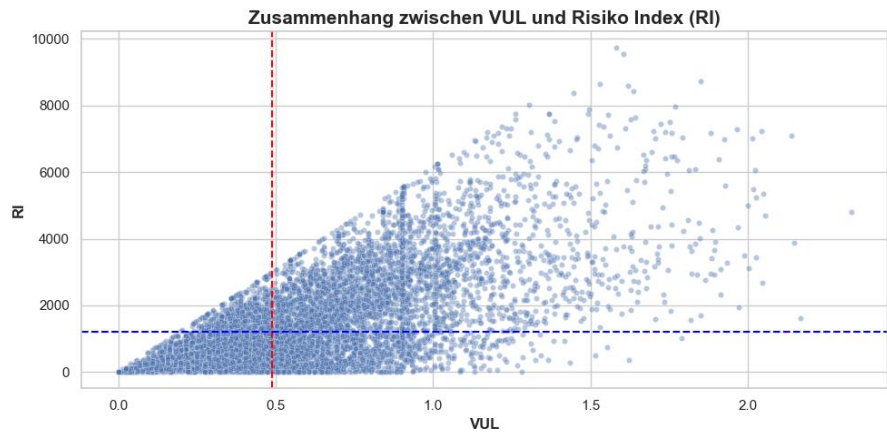
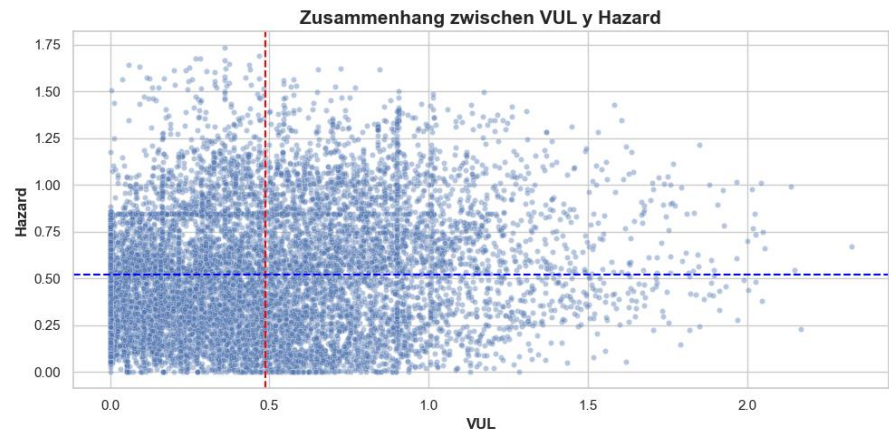
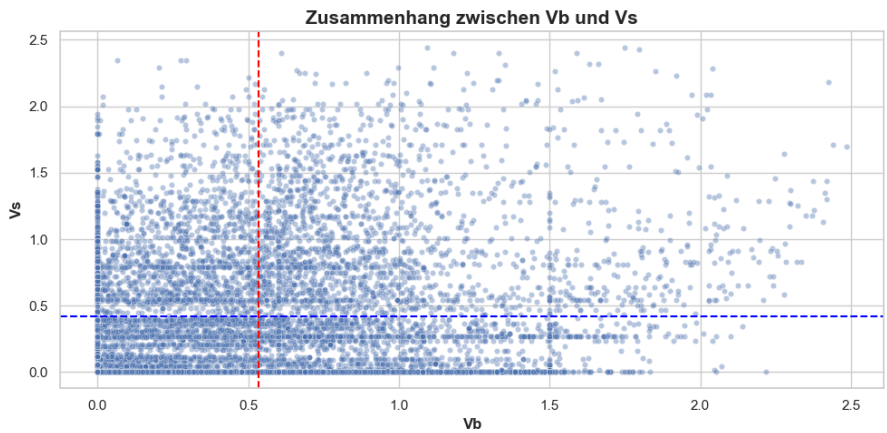
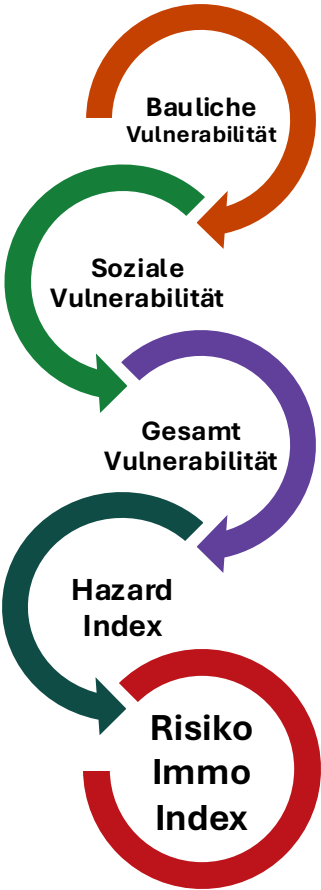
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Vielen Dank für Ihre Aufmerksamkeit

Jetzt stehen wir gerne für Fragen zur Verfügung