

Volunteering for the future – Geospatial excellence for a better living

Digital Processes in Real Estate Appraisal – Opportunities for Efficiency and Objectivity

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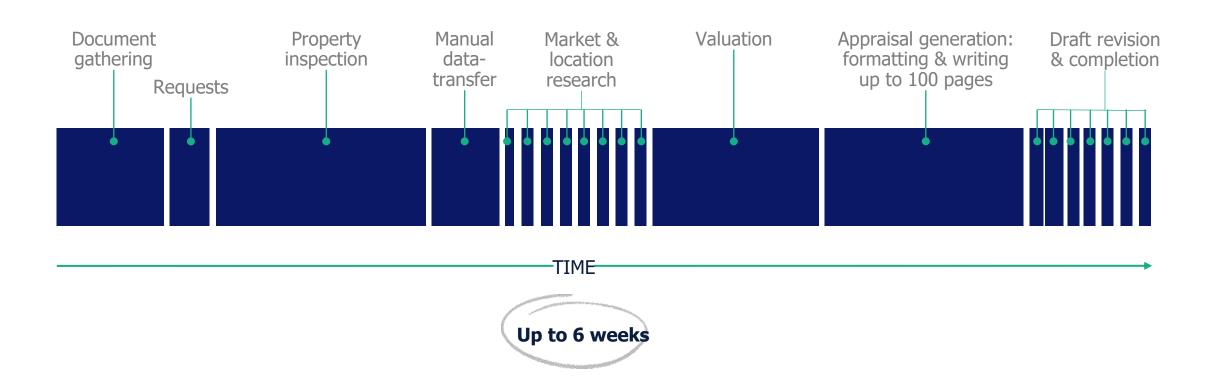








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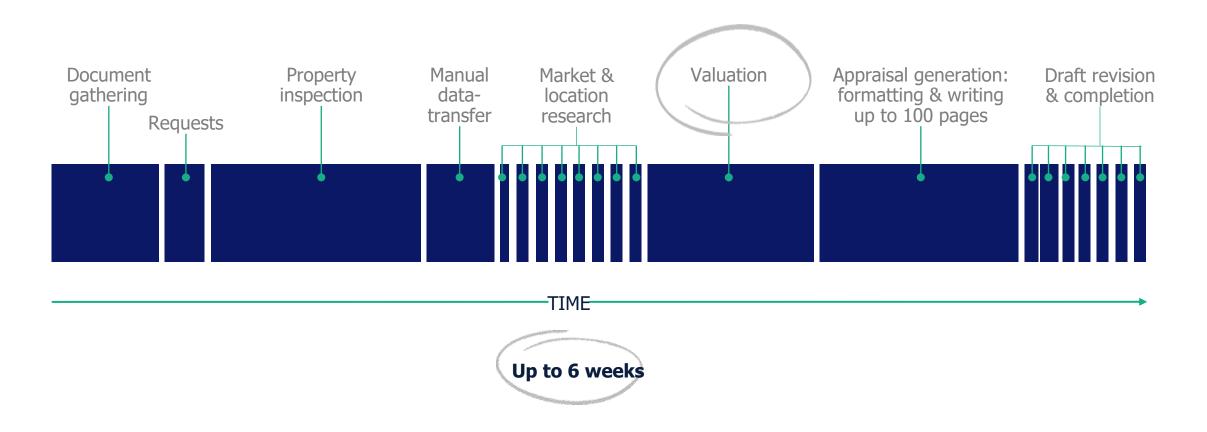








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Determining the discount rate in real estate valuation

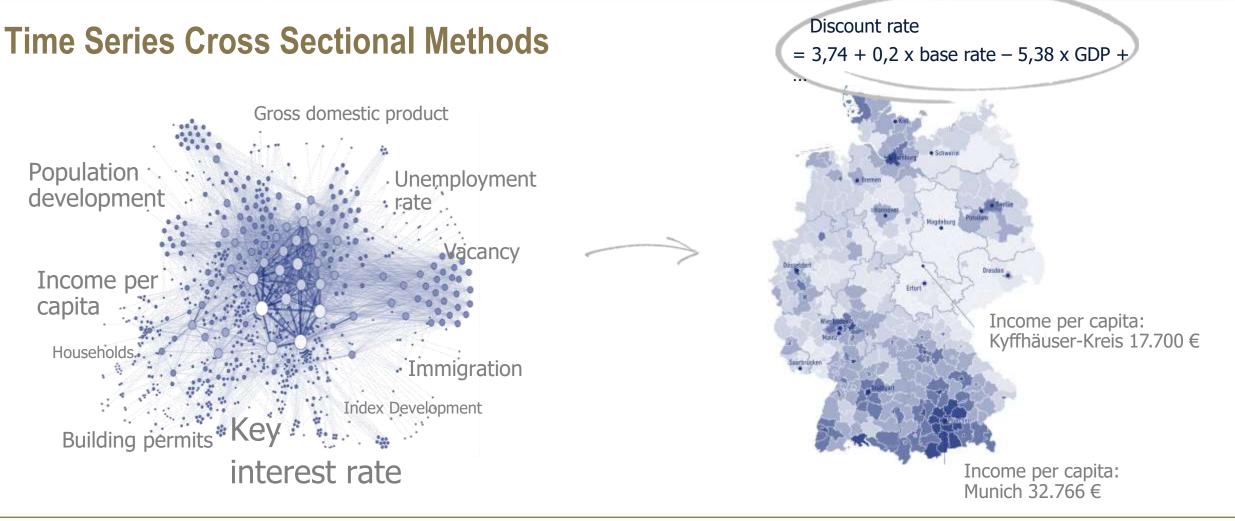
- Today: either determined retrospectively via back calculation from realized purchase prices or estimated by the appraiser in its entirety (Problem: only few real estate market data available)
- Our approach: Finding the CAUSES for the level and behaviour of discount rates (=returns)
- Causes are mainly from external factors like the key interest rate and not from the real estate market directly







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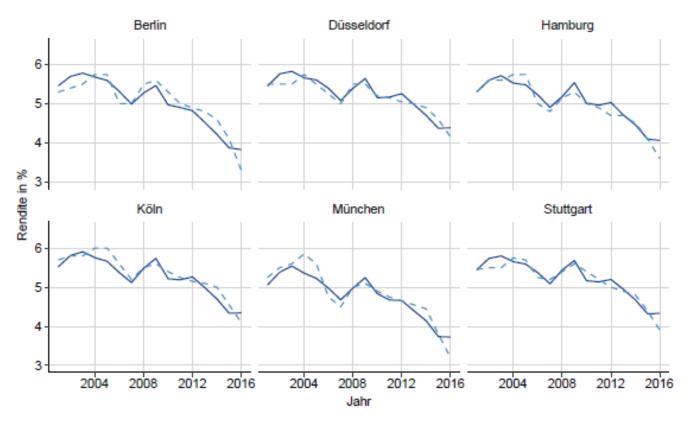






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Determining the market rent

- Today: models to quantify market rents based on object properties & regional factors exist for different submarkets (they are only valid for this specific submarket)
- Problem: for regions with few data available, such models either don't exist or are unreliable
- Our approach: creating one model valid for the whole market: explicitly model the difference between submarkets

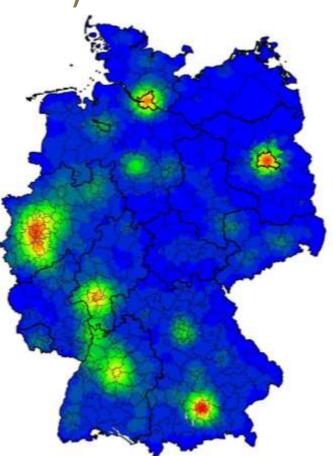






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Gravitational model (potential model)

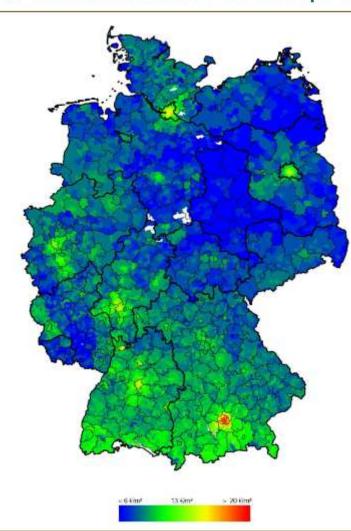








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