



May 6, 2010

Data Accuracy in the Market

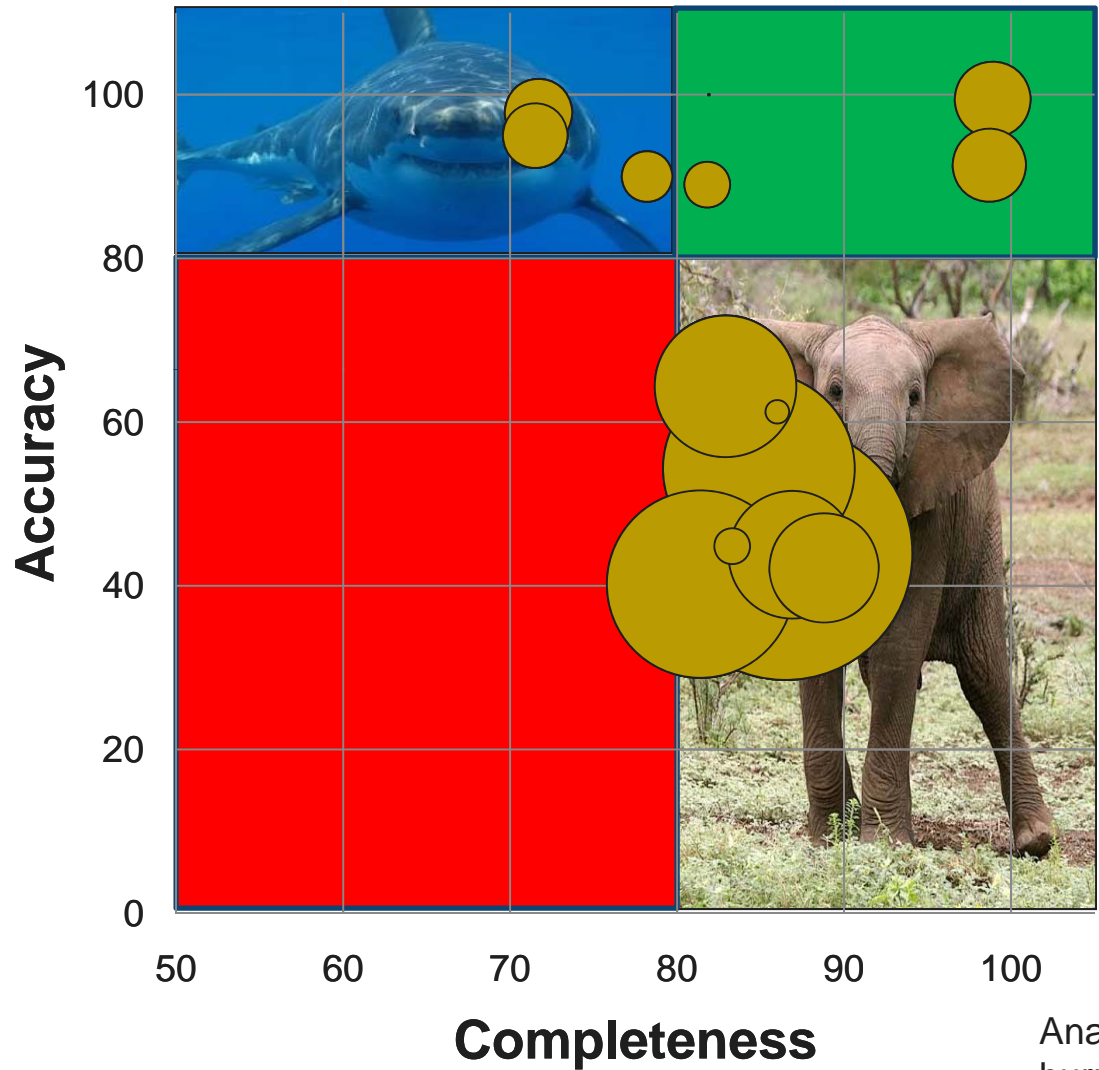
Roger Arnemann

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Topics

- Completeness and accuracy
- Assessing accuracy in the market

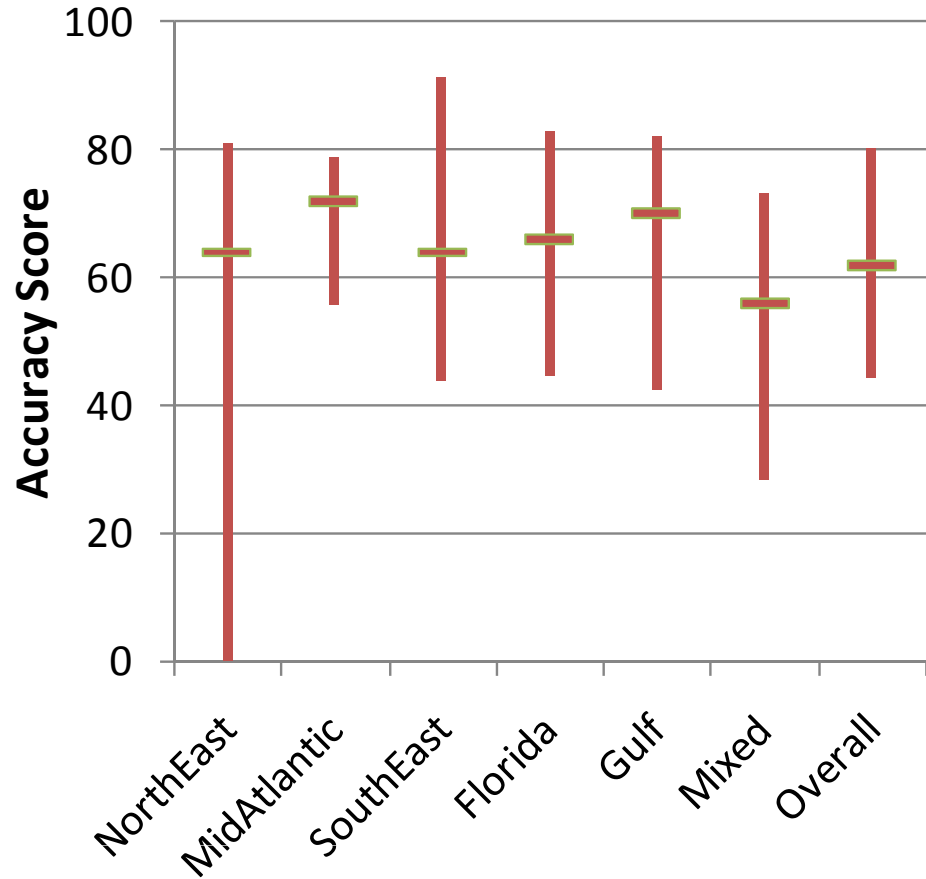
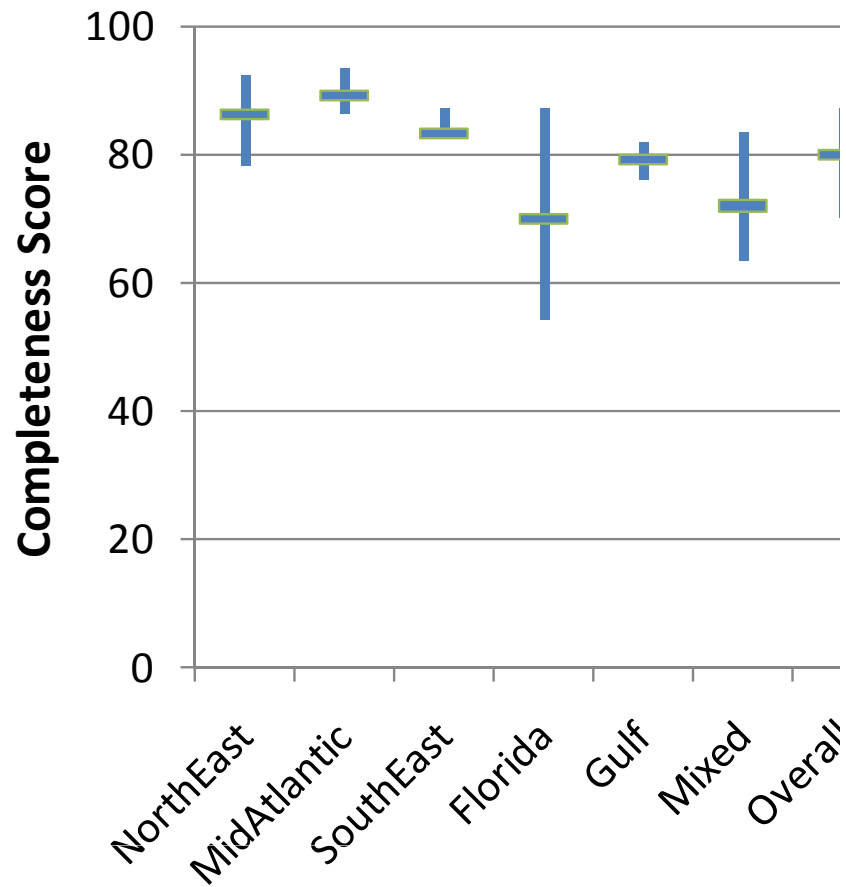
Sleepless Nights: Accuracy or Completeness



Analysis of S. E. commercial hurricane portfolios

Hurricane Commercial Completeness and Accuracy

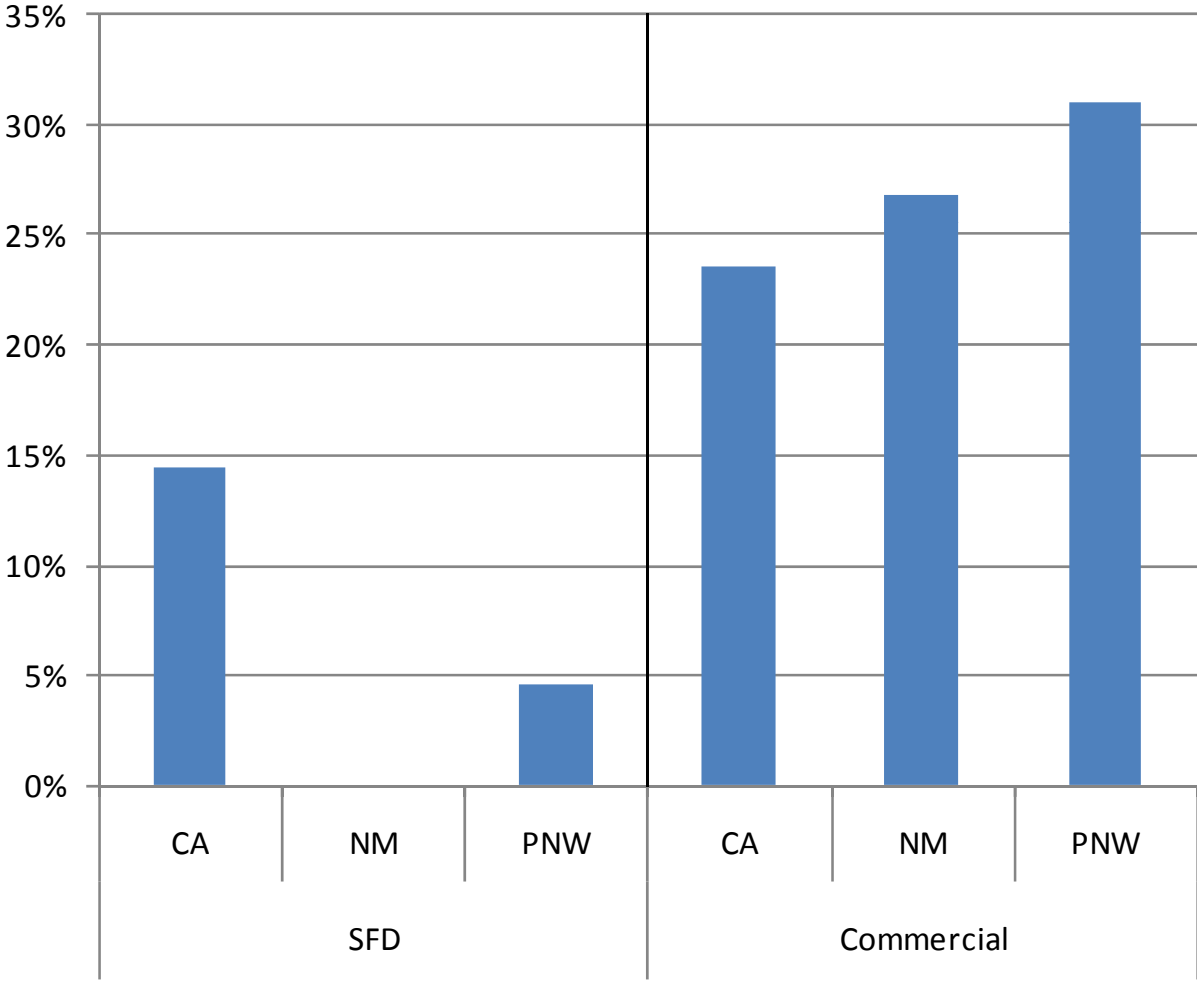
- Range for accuracy greater than for completeness



Graphs show median, 25th, 75th quartiles

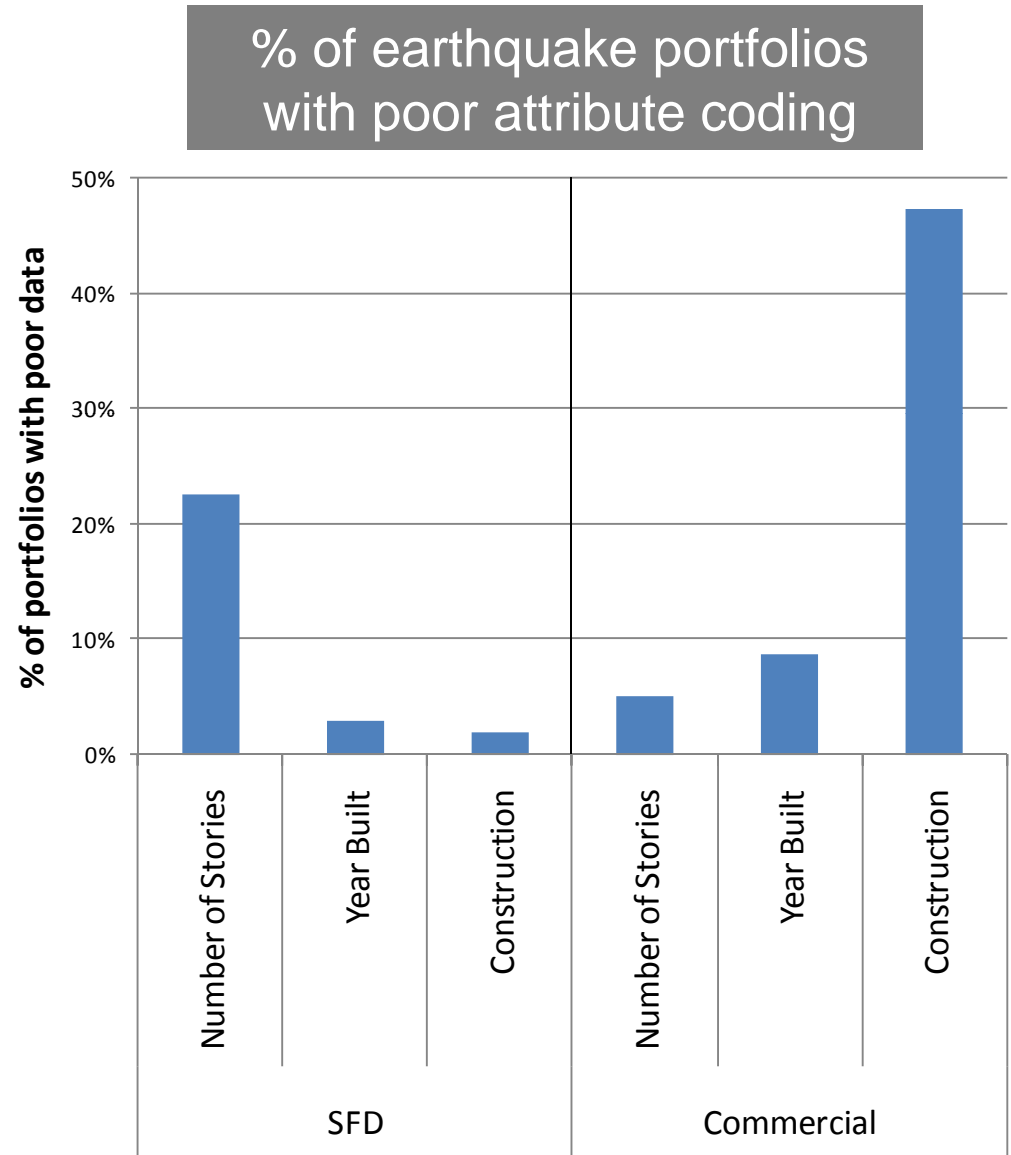
25% of COM EQ Portfolios Contain Suspicious Data

Portfolios with high percentage of conflicting or unrealistic attributes based on Validation Heuristics



Attribute Accuracy (RMS ExposureSource)

- Accuracy of SFD's better than COM
- COM construction
- ISO FIRE coding





Top 10 Data Quality Challenges

1. ISO fire class lacks sufficient granularity for cat models
2. Possible incorrect coding of campus
3. Coordinate level match and zip centroids
4. Suspicious or no deductibles at any level
5. Invalid geocoding
6. Construction not typical for a 1 story building
7. Information conflicts with CA / FL building regulations
8. Apartment not coded as multi-family dwelling
9. Construction type not typical for single family dwelling
10. Bulk coding of attributes