Geographic Diversification in Banking and its Implications for Bank Portfolio Choice and Performance

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Methodology

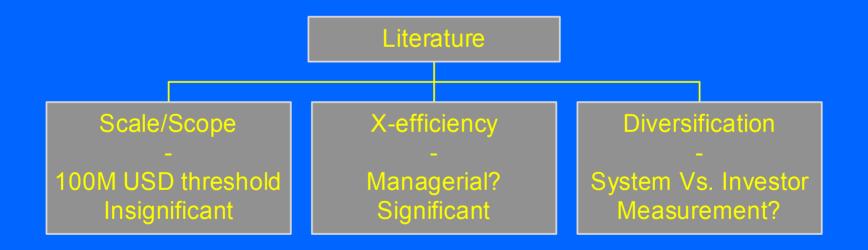






Literature

Bank Performance





Literature (cont.)

Scale/scope: not bank-specific

• X-efficiency: Berger and DeYoung (2001)

Markov view: Robertson (1995, 2003)



Methodology

- What is diversification?
 - Correlation
 - Distance
 - Inter-state Vs. Intra-State
- What is a BHC?
 - Organizational Vs Legal
 - Portfolio choice (abstract)





 Riegle-Neal Interstate Banking and Branching Efficiency Act
 Section 109

Mergers/Takeovers

 Loan portfolio quality ("for example, not all banks in Texas failed")



Data (cont.)

• Riegle-Neal (& GLBA, section 106):

"Section 109 prohibits any bank from establishing or acquiring a branch or branches outside of its home State under the Interstate Act primarily for the purpose of deposit production, and provides guidelines for determining whether such a bank is reasonably helping to meet the credit needs of the communities served by these branches" [DOCID: fr06jn02, Fed. Register 67 (109)]



Data (cont.)

• Joint final rule:

"beginning no earlier than one year after a bank establishes or acquires a covered interstate branch, the appropriate agency will determine whether the bank satisfies a loanto-deposit ratio screen [...] that has been established by section 109. [idem]



Data (Cont.)

Geographic diversification:

$$GEODIV_{i} = 1 - \sum_{j} \left(\frac{market \ j \ deposits}{total \ deposits_{i}} \right)^{2} = [0,1)$$

Screen (for bank i in market j with N banks):

$$L2D = \left(\frac{\text{loans}_{i}}{\text{deposits}_{i}}\right) \ge 0.5 * \sum_{n=1}^{N} \left(\frac{\text{loans}_{n}}{\text{deposits}_{n}}\right) / N$$



Recommendations

- Be more specific w.r.t. your hypotheses
- Limit the number of tables
- Compare inter-state vs intra-state results
- Refine your diversification measure
- Formalize (and control for) the relationship between loans and deposits
- Control for loan loss reserves

