

## **Impacts of Financial Crisis on Regional Efficiency of Banking Industry**

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*This paper focuses on the impact of the financial crisis on the productivity of thirty American banks. We have used CCR, BCC, and Malmquist models using data for 5 years. The models study the effects of technological improvements during the years after the financial crisis on national banks and regional banks. Total factor productivity growth rate is positive and technological efficiency is improved and has influenced more than technology to total factor productivity change over the entire sample period. The Malmquist index summary of banks' average TFPCs shows average annual total factor productivity growth rates are 12.4%, 1.7%, and 2.1% for national banks, state banks, and Arkansas banks, respectively.*

**Key words:** Banks, Data envelopment analysis, financial crisis, productivity, efficiency, Malmquist

**JEL Codes:** E32 and G21