

## **Determinants of Listing Selection of Single Stock Futures: Logistic Regression Analysis**

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**Abstract:** This research addresses three primary research questions concerning single stock futures (SSF) listing selection. First, we use logistic regression models to ascertain the determinants of SSF listing decisions made by the Taiwan Futures Exchange (TAIFEX). Second, we assess our estimated models' classification accuracy. Third, we examine the relationship between predicted listing probability and post-listing SSF trading volume. We extract from the 2010-2011 data that market value and stock volatility significantly explain SSF listing selection in 2010, and stock turnover leads the main deciding factor in 2011. The classification accuracy of the logistic models has been excellent (77-84%), with predicted listing probabilities having one of the strongest prediction effects for post-listing trading outcome, more so for 2011.

**Keywords:** Listing Selection, Logistic Regression Analysis, Market Microstructure, Stock Futures, Volatility

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