

# Financial Anomalies

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# Preface

The article is designed to study financial anomalies

# 1 Introduction

Fama and MacBeth (1973) : Two-parameter risk-return regression equation is based in

$$x_{im} \equiv \frac{\text{total market value of all units of assets } i}{\text{total market value of all assets}} \quad (1.1)$$

$$\text{where asset}(i) \text{ in the portfolio}(m) \quad (1.2)$$

Equation 1 refers to the market equilibrium (market portfolio) is always efficient (Black (1972)).

Expected Return is given by Equation 1,  $\beta_i$  is the risk of the asset  $i$  of the portfolio  $m$ , measured relative to  $\sigma^2(\tilde{R}_m)$

$$E(\tilde{R}_i) = [E(\tilde{R}_m) - S_m \sigma(\tilde{R}_m)] + S_m \sigma(\tilde{R}_m) \beta_i, \text{ where, } \beta_i \equiv \frac{\text{cov}(\tilde{R}_i, \tilde{R}_m)}{\sigma^2(\tilde{R}_m)} = \frac{\sigma_{j=1}^N x_{jm} \sigma_{ij}}{\sigma^2(\tilde{R}_m)} = \frac{\text{cov}(\tilde{R}_i, \tilde{R}_m) \sigma(\tilde{R}_m)}{\sigma(\tilde{R}_m)} \quad (1.3)$$

## 2 Summary

In summary, this book has no content whatsoever.

## References

- Black, Fischer. 1972. "Capital Market Equilibrium with Restricted Borrowing." *The Journal of Business* 45 (3): 444–55.
- Fama, Eugene F, and James D MacBeth. 1973. "Risk, Return, and Equilibrium: Empirical Tests." *Journal of Political Economy* 81 (3): 607–36.