

## Comprehensive Explanation of Revisions

In response to the previous round of peer review, we undertook targeted revisions to improve methodological transparency and the clarity of our annotation framework.

### Elucidation of Confounding Factors for the Budget-Assisted Sectoral Impact Ranking (BASIR) Task

We have justified why the effect of confounding variables can be ignored in the limitations section. By systematically referencing prior studies supporting this, we align our work with current best practices.

### Justification of Annotation Decisions Across All Tasks

We introduced explicit annotation decision rationales in the appendices for each of the three primary tasks:

#### Appendix C.1:

For the **Multi-Modal Indian Earnings Calls (MiMIC)** dataset, this section describes the selection of firms across large-cap, mid-cap, and small-cap indices using publicly available financial data, while addressing potential biases, computational constraints, and controlling confounding factors through a narrowly defined event window following earnings announcements.

#### Appendix D.1:

It explains that, constrained by budget, the BASIR dataset annotation involved initial automated pre-annotation using DeepSeek followed by complete manual validation and correction by a single experienced financial expert to ensure consistent and reliable data without inter-annotator variability.

#### Appendix E.1:

This demonstrates that the trustworthiness of labels for the **Bharat IPO Rating (BIR)** dataset is empirically validated by demonstrating a strong correlation between expert “Apply” recommendations and positive IPO listing-day returns, thereby confirming that these expert-based labels reliably reflect real-world financial performance consistent with established research.

### Enhancement of Empirical Results Reporting

A comprehensive ablation study is presented in Table 1, dissecting model performance to reveal the contribution of each component. Tables 3, 4, and 5 include task-wise evaluation metrics, and comparative analyses with baselines.