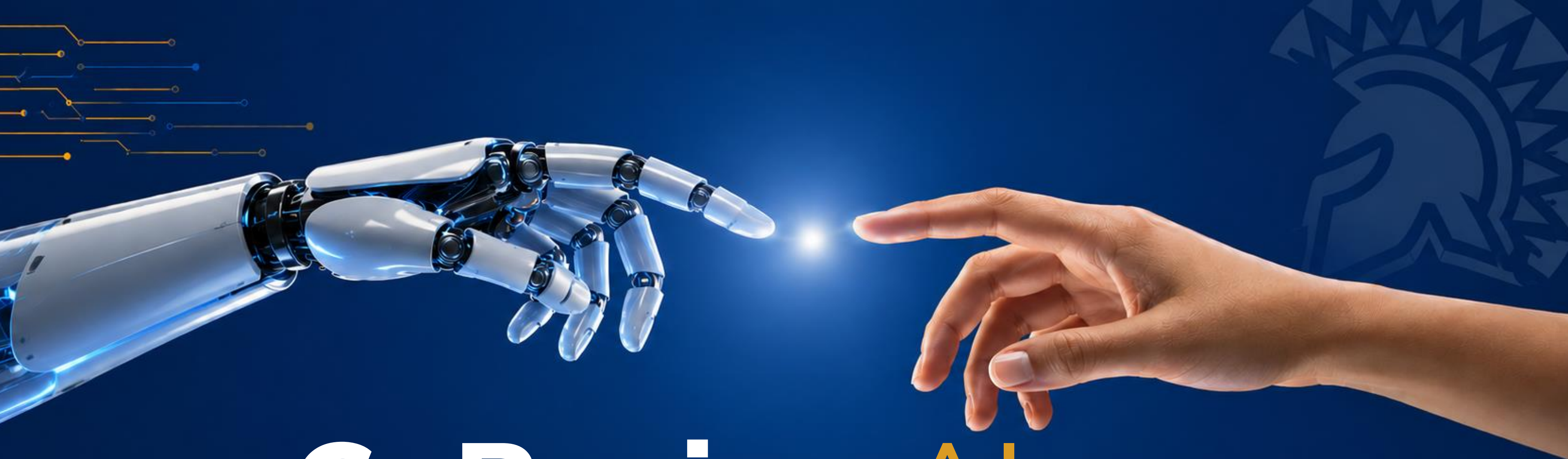




CoReviewAI

“Where Human Expertise and AI Intelligence Make
Better Decisions Together”

Problem Statement

Each year SJSU receives 8000+ scholarship applications each year

- Requires 3 reviewers per application
- About 24,000 reviews per year
- All reviews done on a volunteer basis
- High volume manual process that is difficult to scale

How are SJSU scholarship applications reviewed today?



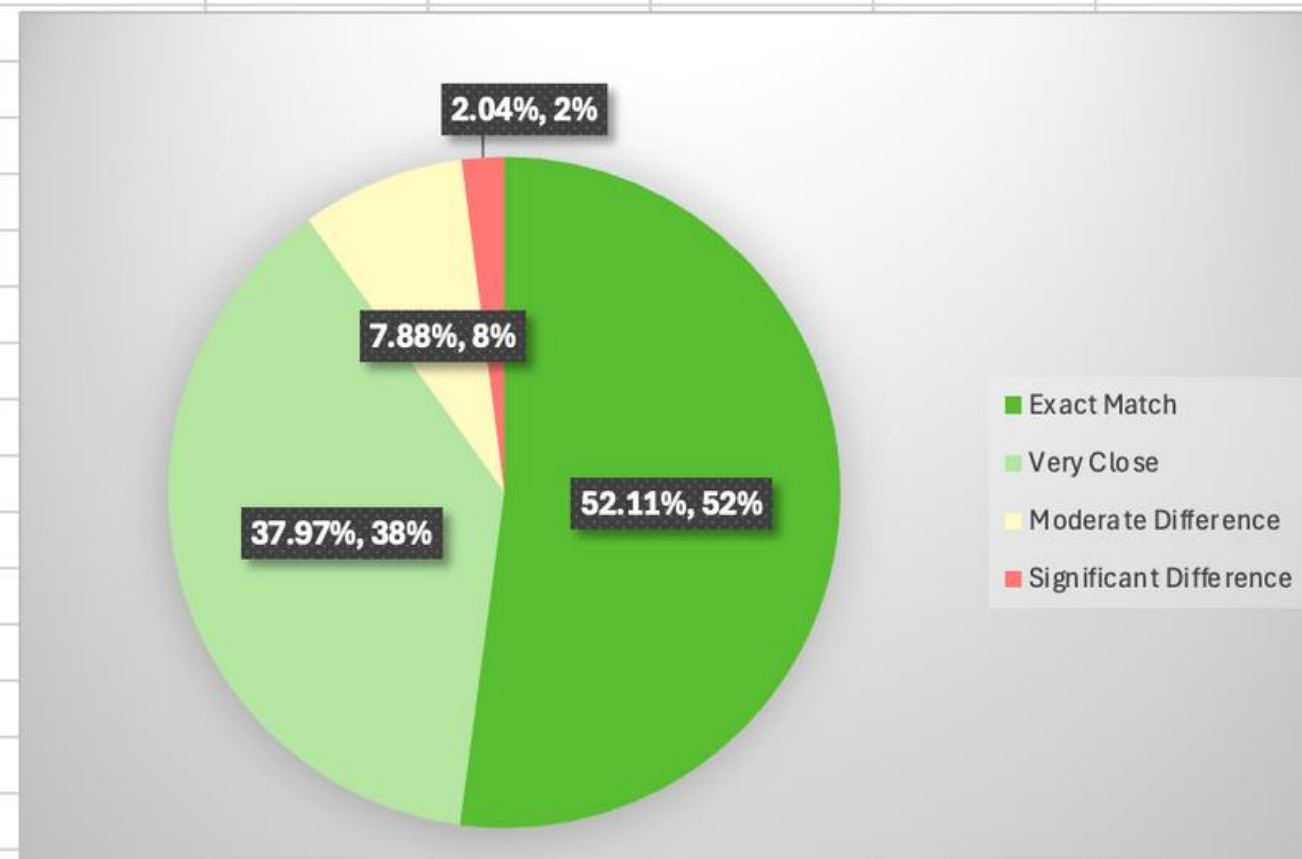
Customer Needs

- Finding volunteers to review is difficult
- Manual review process is long and tedious
- SJSU scholarship applications consume 80% of team man power
- Consumer wants AI trust built with human review data over time
- UI usefulness and process improvement
- Customer has existing back end and front end infrastructure
- paragraph text

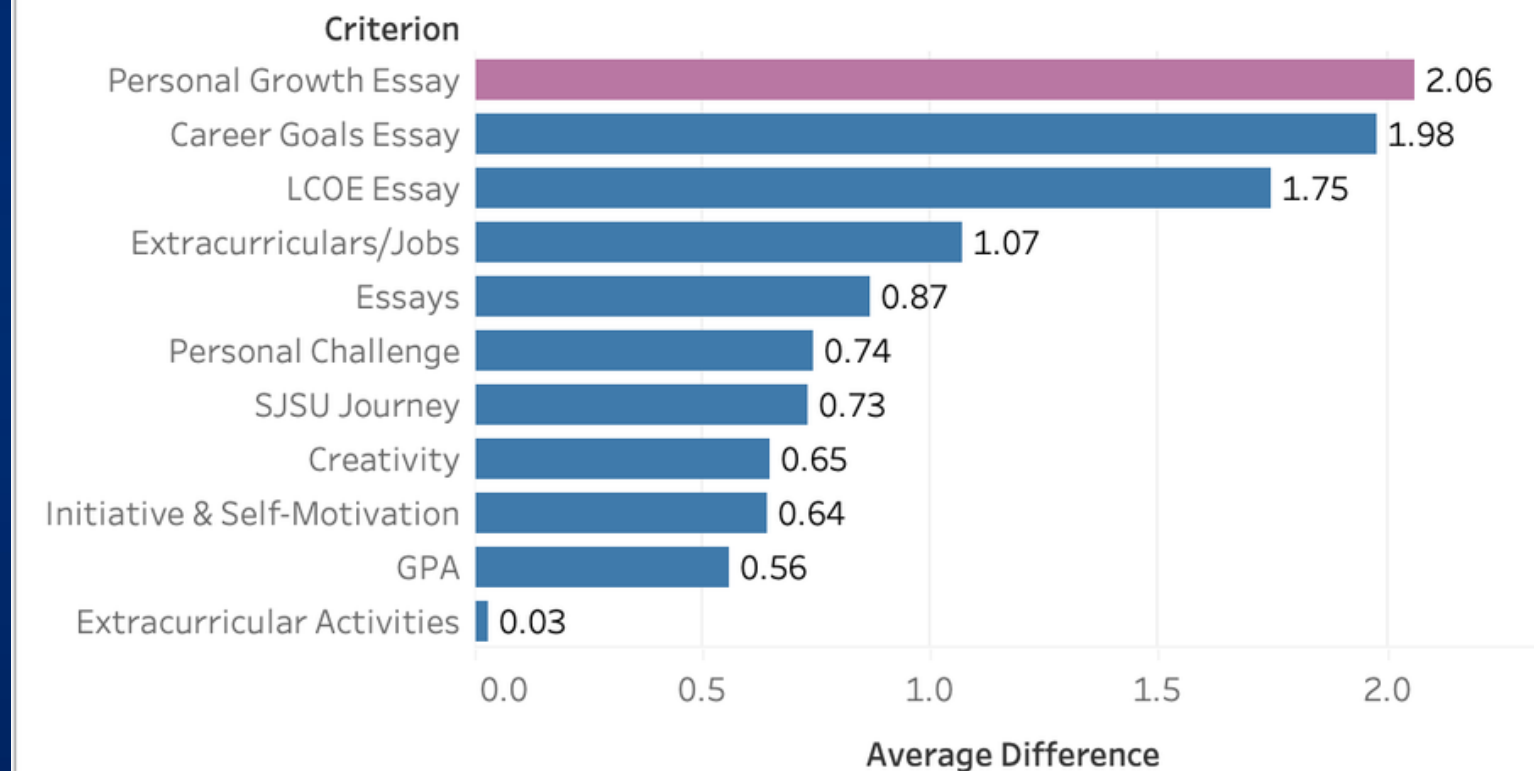
Human Reviewer Agreement

Human Agreement Distribution

Exact Match	52.11%
Very Close	37.97%
Moderate Difference	7.88%
Significant Difference	2.04%



Average Reviewer Disagreement by Criterion



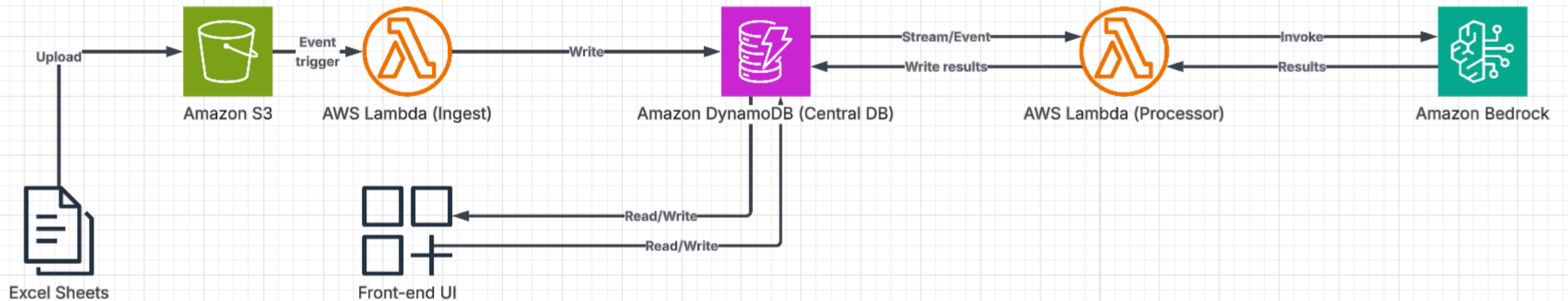
Human reviewers agreed within one point on 90.08% of evaluations

Project Goal

- Efficiency
- Consistency
- Collaboration & Trust
- Human Oversight

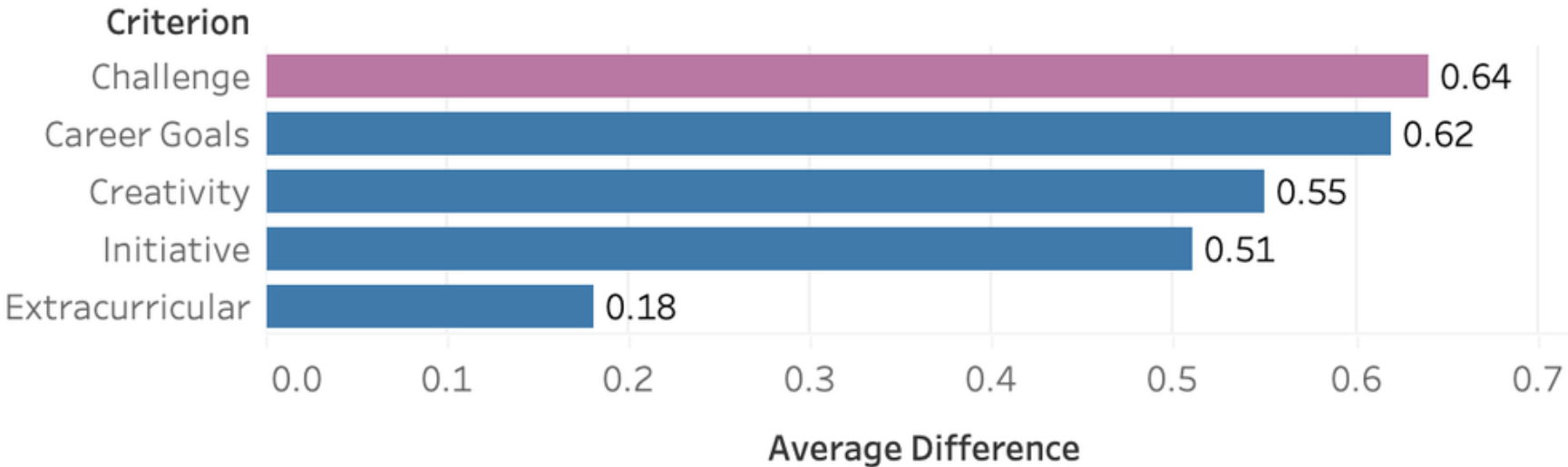


Architecture



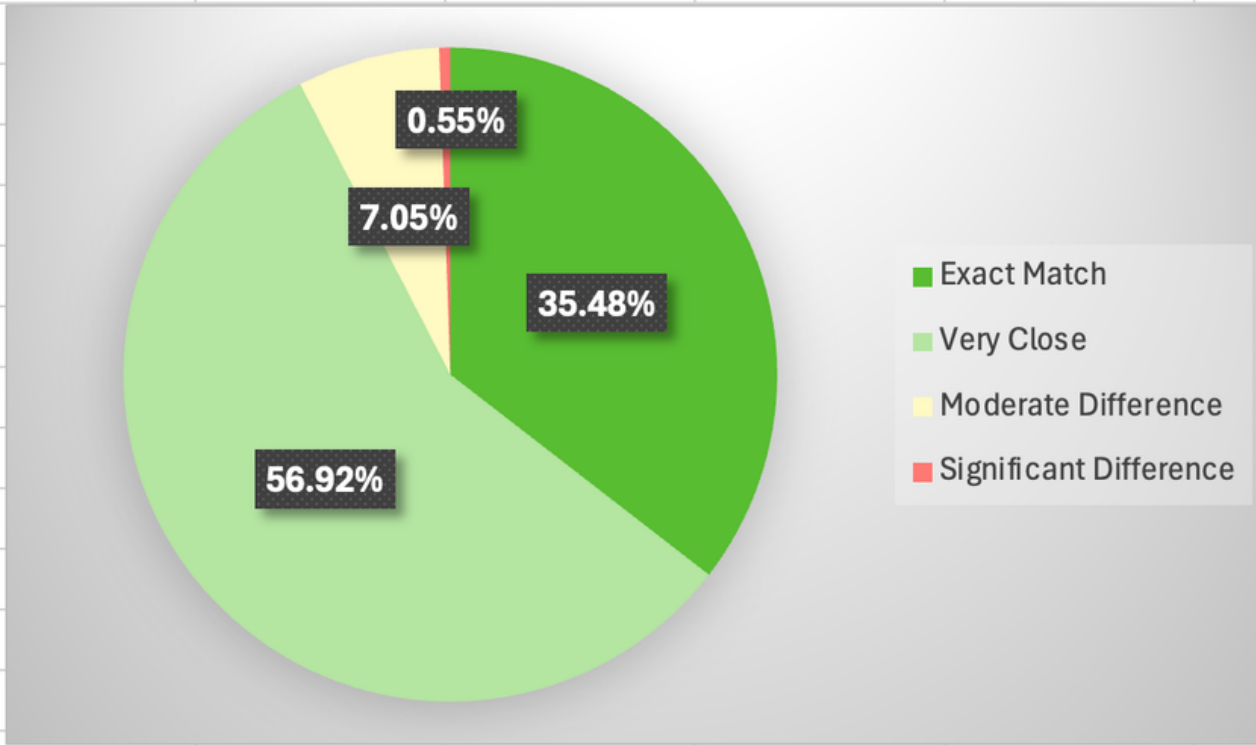
AI Analysis

AI-Human Difference by Rubric Dimension



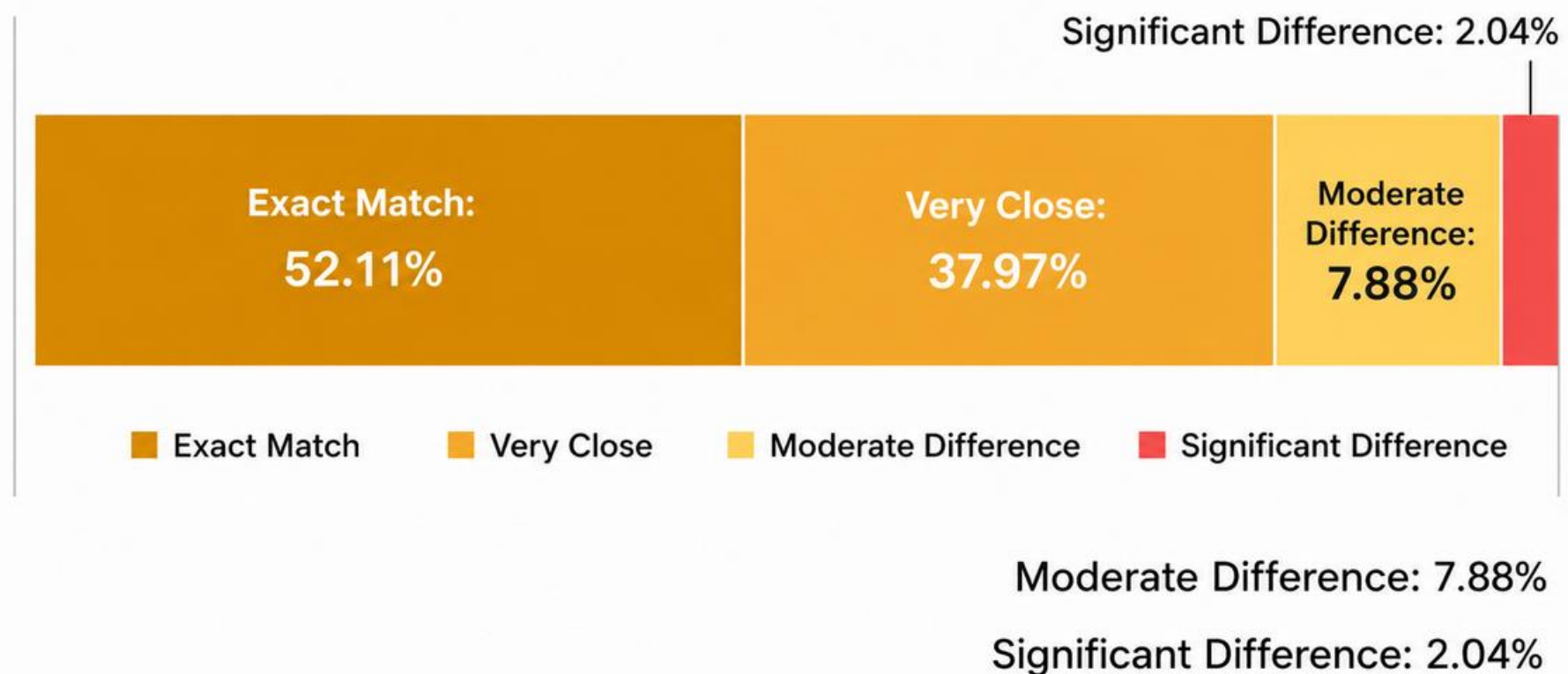
The AI achieved 92.40% agreement within one point of human reviewers

AI vs Human Agreement Distribution	
Exact Match	35.48%
Very Close	56.92%
Moderate Difference	7.05%
Significant Difference	0.55%

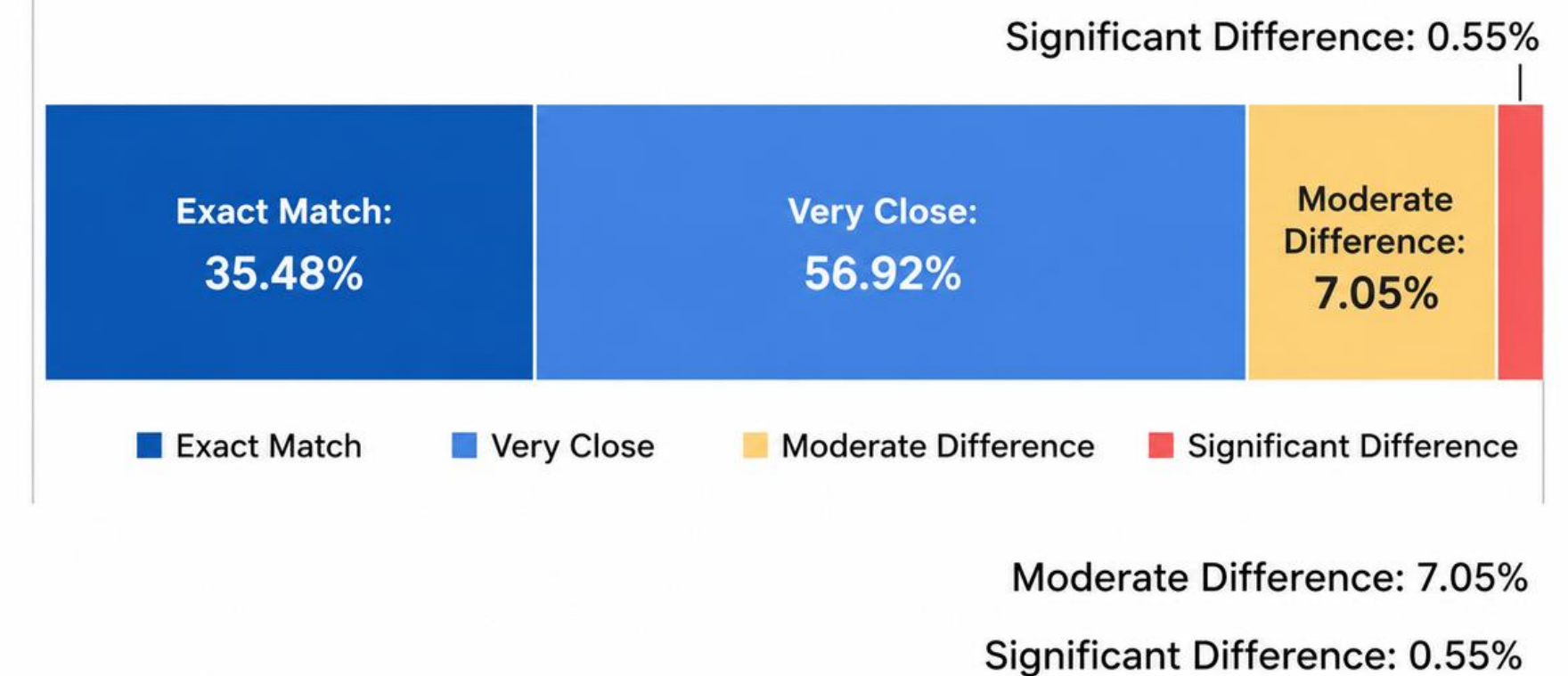


Evaluation

Human vs. Human Baseline



AI vs. Human Performance



The AI demonstrated agreement comparable to human reviewers, indicating its potential to support scholarship evaluations while preserving human oversight

Summary

- AI solution properly emulates volunteer grading against the rubric; applications with high variance between AI and human scores are flagged to be reviewed a third time
- ~5000 applications were graded in about two hours, with estimated token costs being about \$50
- Time and money constraints significantly reduced
- Lots accomplished during prototype, significant room for improvement during production

Future Improvements

- Integration with existing University infrastructure
- Build AI trust for further reduction in manpower
- Individualized support for new Scholarships and Gift Agreements
- Expand application use to other Universities
- Larger Historical Dataset
- Capture Human Reviewing Reasoning



Thank You
For Your Attention