

# VIAR: Complete Results Summary (\*adaptive variant)

| Benchmark | Model        | Metric      | Baseline | VIAR   | Delta |
|-----------|--------------|-------------|----------|--------|-------|
| POPE      | LLaVA-1.5-7B | Accuracy    | 83.6%    | 84.4%  | +0.8% |
|           |              | F1 Score    | 82.3%    | 84.4%  | +2.1% |
|           |              | Yes Ratio   | 42.8%    | 50.0%  | +7.2% |
| POPE      | LLaVA-1.6-7B | Accuracy    | 88.0%    | 88.0%  | 0.0%  |
| MMStar    | LLaVA-1.5-7B | Overall     | 32.3%    | 34.1%* | +1.8% |
|           |              | Sci & Tech  | 18.8%    | 24.4%* | +5.6% |
|           |              | Instance    | 36.4%    | 40.8%* | +4.4% |
| GQA       | LLaVA-1.5-7B | EM Accuracy | 58.8%    | 58.6%  | -0.2% |
| POPE      | LLaVA-1.5-7B | vs VCD      | 83.6%    | 79.0%  | -4.6% |