

SECTION 5 STRATEGIC EXECUTION BRIEF

For TRAE IDE PRO: Intelligence Assessment + Resource Mapping

Pure'O Naturals BDM Mid-Term Project

EXECUTIVE SUMMARY

Current Status: 85% Complete (All analysis done; 15% reporting work remains)

Mission: Convert existing EDA/ADA outputs into award-winning Section 5 (23-25/25 marks)

Timeline: 1 week writing + 2-3 days proof coordination = 10-13 hours total effort

Expected Outcome: Section 5 score 23-25/25 marks | Mid-term grade 85-92/100

WHAT YOU ALREADY HAVE

Analysis Work Completed ✓

Method	Status	Source CSV	Stats Available
Coefficient of Variation	✓ DONE	high_volatility_products.csv	770 volatile SKUs, CV thresholds
Rolling Volatility	✓ DONE	rolling_volatility.csv	30-day window time-series
ABC Classification	✓ DONE	abc_classification.csv	68%, 82% thresholds, Class A/B/C
Contribution Margin	✓ DONE	low_margin.csv	42 of 87 SKUs <15%, ₹373,727 loss
Volatility-Volume Matrix	✓ DONE	product_risk_analysis.csv	Bivariate risk scoring
DSLS Analysis	✓ DONE	slow_moving_products.csv	23 SKUs DSLS > 90 days
Price Variance	✓ DONE	pricing_misalignment_top20.csv	₹248,358 revenue impact

All 7 Methods: Computational work complete. CSV outputs available. Ready for Section 5 write-up.

WHAT STILL NEEDS TO HAPPEN

Content Generation (8-10 Hours Writing)

1. **Section 5.1:** Overall Analytical Workflow (250-300 words) — 1 hour
2. **Section 5.2:** Method Justifications MJA Framework (2,450+ words) — 4-5 hours
 - Apply Method-Justification-Alternative structure to 7 methods
 - 350-400 words per method
 - Extract statistics from existing CSVs
3. **Section 5.3:** Visualization Justifications (400-500 words) — 1 hour
4. **Sections 5.4-5.7:** Tools, Limitations, Alignment, Roadmap (1,000+ words) — 2 hours

Proof of Originality (2-3 Days Coordination)

- NOC letter from PureO Naturals management
- 3-5 storefront photographs
- 5-7 min video: Manager confirms data consent
- Google Drive folder with organized structure

STRATEGIC ROADMAP FOR TRAE IDE PRO

Phase 1: Intelligence (30 minutes)

1. Read this entire brief
2. Review Mastery Guide Section 5 reference
3. Audit all 7 CSV outputs
4. Confirm statistics extracted

Phase 2: Planning (1 hour)

1. Confirm 7-section structure
2. Map CSVs to corresponding methods
3. Create content outline (section by section)
4. Identify 3-4 visualization anchors

Phase 3: Content Writing (8-10 hours)

1. **Start with Sections 5.1, 5.3-5.7** (easier; use templates)
2. **Then write Section 5.2** (core section; 60% of effort)
 - For each of 7 methods:
 - Method Name (explicit, descriptive)

- Method Description (formula + data + output)
- Statistical Justification (2-3 paragraphs)
- Business Justification (2-3 paragraphs, PureO-specific)
- Alternative Methods Considered (3+, with limitations)
- Chosen Rationale (1-2 sentences, synthesis)

Phase 4: Verification (1-2 hours)

1. Apply 10-point excellence checklist
2. Verify MJA completeness for all 7 methods
3. Tone compliance scan (zero "I", "we")
4. Confirm all 25 rubric marks addressed

Phase 5: Finalization (1 hour)

1. Compile all sections sequentially
2. Verify figure references
3. Format check (Times New Roman 12pt, 1.5 spacing)
4. Final proof

KEY DATA TO EXTRACT FROM CSVs

Extract and Incorporate These Exact Numbers:

- **Total 6-Month Revenue:** ₹25,393,827
- **High-Volatility Risk:** 770 SKUs with CV > 25% = ₹4.2M monthly revenue at risk
- **Slow-Mover Problem:** 302 SKUs with DSLS > 30 days = ₹176,489 aging inventory
- **Margin Crisis:** 42 of 87 SKUs (48%) exhibit margins <15% = ₹373,727 monthly loss
- **Pricing Inconsistency:** Top 20 misaligned SKUs = ₹248,358 monthly revenue affected
- **ABC Distribution:** Class A (12 SKUs, 68% revenue) | Class B (14 SKUs, 14%) | Class C (51 SKUs, 18%)
- **Data Quality:** 6 months April-September 2025, single branch 0007-ANJANEYA NAGER, validated, no synthetic data

MJA FRAMEWORK STRUCTURE (APPLY TO ALL 7 METHODS)

METHOD [N]: [Method Name] – [Specific Purpose]

METHOD DESCRIPTION: [1-2 paragraphs]

- Define metric/formula
- State what data analyzed

- Specify output produced

STATISTICAL JUSTIFICATION: [2-3 paragraphs]

- Distribution assumptions
- Parametric vs. non-parametric rationale
- Why appropriate for this data

BUSINESS JUSTIFICATION: [2-3 paragraphs]

- Operational problem solved
- Quantified impact for Pure0 Naturals
- Decision improvement enabled

ALTERNATIVE METHODS CONSIDERED: [3+ alternatives]

- Method X (limitation Y)
- Method Z (limitation W)
- [Specify why each is inferior to chosen method]

CHOSEN RATIONALE: [1-2 sentences]

- Synthesis: Technical advantage + Operational advantage + Adoption advantage

VISUALIZATION JUSTIFICATION TEMPLATE

For each of 3-4 charts:

Chart Type: [Name – Purpose]

PURPOSE: Identify [X]; Enable [decision]

COMPOSITION:

- X-axis: [what]
- Y-axis: [what]
- Color/Size: [what]
- Annotations: [what]

WHY ELITE: [What two dimensions communicated?] [Why superior to alternatives?]

BUSINESS VALUE: [What decision enabled?] [Quantified impact?]

Example: Pareto Chart immediately shows "Top 12 SKUs (18% portfolio) = 68% revenue"
→ Actionable insight for inventory prioritization

CRITICAL SUCCESS FACTORS

✓ DO This

- Leverage existing CSV outputs directly (don't recalculate)
- Apply MJA framework religiously to all 7 methods
- Quantify every claim (no vague statements)
- Write 2,500-2,700 words total Section 5 (dense, professional)

- Use third-person professional tone (no "I", "we")
- Prioritize Section 5.2 (25-mark core section)
- Verify all 25 rubric marks explicitly addressed

✗ DON'T Do This

- Generate synthetic analysis or data
- Use generic methodology (must link to PureO's specific problems)
- Treat methods as optional or partially-justified
- Include charts without ORIR interpretation
- Use first-person narrative
- Shortcut MJA framework for any method

EXPECTED SCORING

Component	Marks	Achievable?	Evidence
Method Clarity	5	✓ YES	All 7 methods explicitly named
Statistical Justification	7	✓ YES	Distribution assumptions + formulas
Business Justification	7	✓ YES	Problem → Impact → Decision
Alternative Comparison	4	✓ YES	"Considered X, chose Y because..."
Limitations Acknowledged	2	✓ YES	Data assumptions stated, simplifications noted
TOTAL	25	✓ YES	23-25/25 achievable

EXECUTION CHECKLIST

Before Starting Section 5 Writing:

- ☐ Read Mastery Guide Section 5 reference
- ☐ Audit all 7 CSV outputs for accuracy
- ☐ Extract key statistics into Section 5 template
- ☐ Create detailed content outline (section by section)

While Writing Section 5.2 (Methods):

- ☐ For each method: Method Name explicit? ✓
- ☐ For each method: Statistical Justification 2-3 paragraphs? ✓
- ☐ For each method: Business Justification 2-3 paragraphs? ✓
- ☐ For each method: Alternatives compared? ✓
- ☐ For each method: 350-400 words target? ✓

- [] For each method: Quantified evidence from CSVs? ✓

Before Final Submission:

- [] Total Section 5: 2,500-2,700 words? ✓
- [] All 25 rubric marks addressed explicitly? ✓
- [] Tone: 100% third-person professional? ✓
- [] Every claim: Backed by number from CSV? ✓
- [] Figures referenced: All mentioned charts exist? ✓
- [] Formatting: Times New Roman 12pt, 1.5 spacing? ✓

RESOURCE INVENTORY

What's Available Now:

- ✓ 7 CSV files with complete statistics
- ✓ 3+ Python analysis scripts
- ✓ 2 preliminary visualizations (category_performance.jpg, temporal_trends.jpg)
- ✓ Mastery Guide (templates, frameworks, examples)
- ✓ 4 prioritized business problems (from EDA)
- ✓ 6 months validated data (no synthetic content)

What Requires Coordination:

- △ NOC letter (Secure from PureO management)
- △ Storefront photos (Photograph branch)
- △ Owner/manager video (Schedule 5-7 min interview)
- △ Google Drive structure (Upload organized folder)

TIMELINE ESTIMATE

Task	Effort	Owner
Reading & Planning	1.5 hours	TRAE IDE PRO
Section 5.1, 5.3-5.7 Writing	3-4 hours	TRAE IDE PRO
Section 5.2 Core Writing	5-6 hours	TRAE IDE PRO
Quality Assurance & Formatting	1-2 hours	TRAE IDE PRO
Total Writing Work	10-13 hours	TRAE IDE PRO
Proof Coordination	2-3 days	Student + PureO Management

Total Project: 1 week desktop work + 2-3 days logistics

FINAL DIRECTIVE

TRAE IDE PRO is authorized to:

1. ✓ Extract all statistics from existing CSV outputs
2. ✓ Use Mastery Guide templates as framework
3. ✓ Apply MJA framework to all 7 analysis methods
4. ✓ Write Section 5 content with high analytical rigor
5. ✓ Verify against 25-mark rubric
6. ✓ Deliver award-winning Section 5 (23-25/25 target)

Success Metric:

- Section 5 Score: 23-25/25 marks
- Mid-Term Grade: 85-92/100 (Award-Winning)
- Confidence Level: 90%+

YOU HAVE EVERYTHING NEEDED.

Computational work: Done

Data outputs: Available

Templates: Provided

Framework: Established

Now: Execute Section 5 with precision.

Target: 25/25 marks

Timeline: 1 week

Expectation: Excellence

TRAE IDE PRO — Your Mission Begins Now.

Execute this strategic plan.

Deliver award-winning Section 5.

25/25 marks. This is your standard.

[1] [2]

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1. Mastery-Guide-Mid-Term-Excellence.pdf

2. 1.-Exploratory-Data-Analysis-Prioritized-Business-Problems-for-PureO-Naturals.docx