

# 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 PureO 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

## **X 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
<b>TOTAL</b>	<b>25</b>	✓ YES	<b>23-25/25 achievable</b>

## **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
<b>Reading &amp; Planning</b>	1.5 hours	TRAE IDE PRO
<b>Section 5.1, 5.3-5.7 Writing</b>	3-4 hours	TRAE IDE PRO
<b>Section 5.2 Core Writing</b>	5-6 hours	TRAE IDE PRO
<b>Quality Assurance &amp; Formatting</b>	1-2 hours	TRAE IDE PRO
<b>Total Writing Work</b>	<b>10-13 hours</b>	<b>TRAE IDE PRO</b>
<b>Proof Coordination</b>	<b>2-3 days</b>	<b>Student + PureO Management</b>

**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