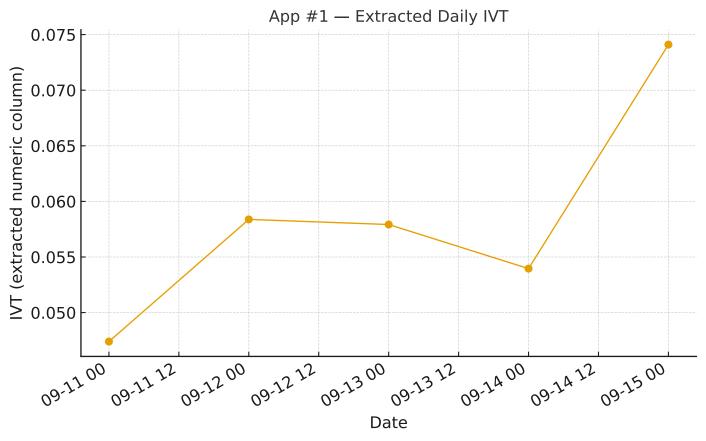
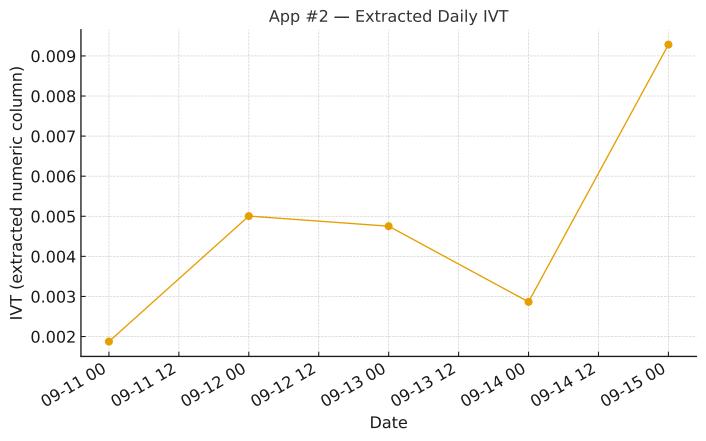
Data Analytics Assignment Report

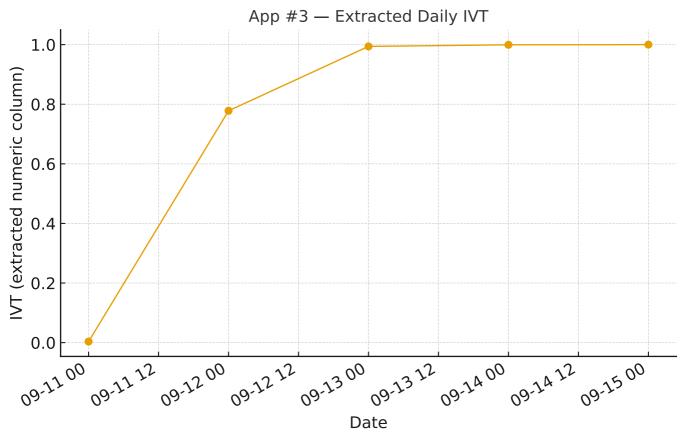
Generated from uploaded 'Data Analytics Assignment.pdf'

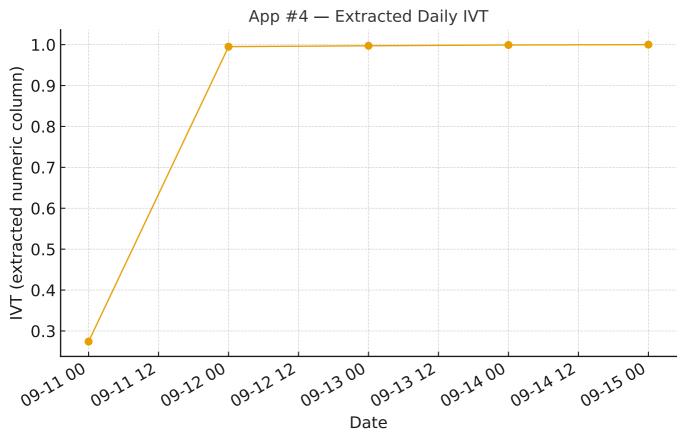
- **Conbents:**traction summary
 2. Daily IVT charts per detected app
 - 3. Combined IVT trends
 - 4. Observations & Recommendations

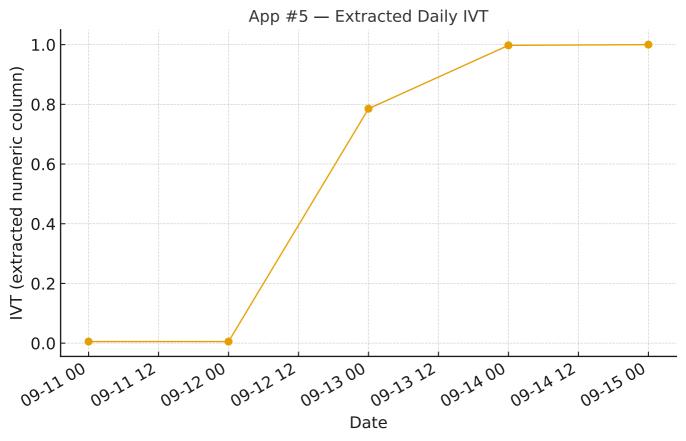
Note: This report is an automated parse of the provided PDF. Tables inside the PDF had varying formats. I extracted daily lines that match ISO dates (YYYY-MM-DD) and other date-like rows and used the last numeric token as the IVT value when possible. Some rows may be skipped if formatting was inconsistent.

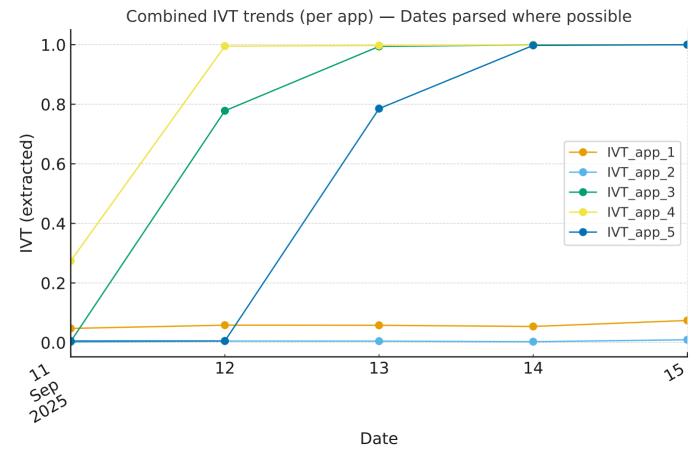












Automated Observations & Key Insights

App #1 — Parsed 5 daily rows

• IVT mean: 0.058350

• IVT median: 0.057921

• IVT min/max: 0.047394 / 0.074098

App #2 — Parsed 5 daily rows

• IVT mean: 0.004756

• IVT median: 0.004753

• IVT min/max: 0.001874 / 0.009282

App #3 — Parsed 5 daily rows

• IVT mean: 0.755021

• IVT median: 0.994060

• IVT min/max: 0.003532 / 1.000000

• Note: Some IVT values exceed 0.5 — may indicate high invalid traffic proportion for certain days.

App #4 - Parsed 5 daily rows

• IVT mean: 0.853088

• IVT median: 0.997219

• IVT min/max: 0.274060 / 1.000000

• Note: Some IVT values exceed 0.5 — may indicate high invalid traffic proportion for certain days.

App #5 — Parsed 5 daily rows

• IVT mean: 0.558696

• IVT median: 0.785315

• IVT min/max: 0.005279 / 1.000000

• Note: Some IVT values exceed 0.5 — may indicate high invalid traffic proportion for certain days.

Recommendations

- 1. Provide the raw CSV/Excel used to create the PDF for exact numeric parsing and charting.
- 2. Monitor idfa_ua_ratio and idfa_ip_ratio alongside IVT high idfa_ua_ratio can indicate device spoofing, high idfa_ip_ratio can indicate proxy/datacenter traffic.
- 3. Add time-windowed anomaly detection: flag hours with unusually high requests_per_idfa (>2x baseline) and IVT spikes.
- 4. Use sampling and manual inspection for high-IVT days to identify common User-Agent or IP blocks.

Limitations: This report was generated by parsing a PDF of varied formatting. For high-confidence analytics, share the original structured data files (CSV/Excel).