# NFL25 Agent — Millions Dashboard Progress Overview

## 1) Where We’ve Been

* **CSV foundation** built (millions\_planner.csv) with contest lines, opponents, confidence, notes.
* **Normalization**: all team aliases resolved via team\_aliases.csv to keep joins clean.
* **DVOA integration**: projections for 2025 (2025\_dvoa\_projections.csv) successfully merged, producing team\_total\_dvoa\_proj, opp\_total\_dvoa\_proj, and computed dvoa\_diff\_proj.
* **Scripts**:
  + normalize\_aliases → ensures team/opponent codes align.
  + validate\_and\_join\_dvoa → confirmed clean join, no NaNs.
* **Survivor linkage**: roadmap CSV in place for sharing rest days/kickoff context.
* **ZIP + repo hygiene**: packaged and reviewed with venv/secrets excluded.

## 2) Where We Are Now

* **Member dashboard v1** created (member\_week\_1.html):
  + Game cards showing matchup, circa line, DVOA projections, DVOA diff, rest days.
  + Responsive grid layout with pill indicators for home/away.
  + Automatic hiding of missing fields (prevents crashes on incomplete data).
* **Outputs validated**: DVOA diff numbers show correctly; no NaN crashes; multiple games render.
* **Audit script** not yet implemented (placeholder in runbook).
* **Data quality checks** still to be formalized in automation (currently manual eyeball).

## 3) Where We’re Going Next

### Short Term (this week)

* **Master Audit Script (millions\_audit\_week.py)**:
  + Produce millions\_week\_audit.md with missingness %, range checks, and alias anomalies.
  + Optional CSV flags for debugging (millions\_week\_audit\_flags.csv).
* **Dashboard polish**:
  + Format numbers (round DVOA diff to 2–3 decimals).
  + Add kickoff date/time when available.
  + Clarify HOME vs AWAY to avoid duplicate match cards.
* **Quality gates automation**: Missing DVOA, invalid spreads, alias gaps flagged before export.

### Mid Term (Weeks 2–3)

* **Circa PDF ingestion**:
  + Parse weekly Circa contest PDF → structured CSV.
  + Add line\_value calculation (market close − contest line).
* **EPA integration**:
  + Join offensive/defensive EPA, produce epa\_diff columns.
* **Injury/Weather enrichment**:
  + Add Tuesday/Thursday injury snapshots.
  + Add Thursday/Saturday weather flags.
* **Audit to dashboard linkage**: Show audit warnings inline in HTML export.

### Long Term (Season Goals)

* **Unified dashboard**: Merge Survivor + Millions into one UI (single HTML/Markdown report).
* **Contrarian analysis**: Integrate contest-wide pick % to flag consensus vs contrarian picks.
* **Trend view**: Week-over-week DVOA/EPA regressions tracked for each team.
* **CI/CD polish**: One command generates planner + exports + audit each week.

## 4) Recommendations for Path Forward

* ✅ Keep **Member dashboard** lean but functional — use it as the weekly player-facing view.
* 🔜 Build **Master audit** next — ensures trust in underlying data before dashboard polish.
* ⚙️ Start wiring Circa PDF ingest early — critical for line value analysis (core contest edge).
* 🎨 Dashboard tinkering (styling, formatting) can follow once audit + ingest are stable.