

4.2 Charting Performance Over Time

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Performance charts turn your session history into a visual picture of how your game is developing over time. Instead of scrolling through individual scores, you can see at a glance whether your average is climbing, which competitions are producing your best results, and how your performance shifts across different conditions and equipment. Charts are available for Pro subscribers and update automatically as you log new sessions.

△ **Verify:** Confirm whether any performance charts are available on the free tier, or whether charts are exclusively a Pro feature.

☐ Accessing Your Performance Charts

1. Open Spectre Stats and tap or click **Performance** in the navigation — or find charts within a specific competition or session.
2. Select the chart type you want to view.
3. Adjust the **date range** or **filter** options to focus on the data that's most relevant.

△ **Verify:** Confirm the exact navigation path to performance charts on both mobile and web, and whether charts are accessible from a dedicated Performance section, from within individual competitions, or both.

☐ Available Chart Types

Spectre Stats offers several chart types, each designed to answer a different question about your game.

Chart	What It Shows	Best Used For
Score Trend	Your game scores plotted over time, with a rolling average line	Seeing whether your scoring is improving, declining, or holding steady
Average Over Time	Your running average calculated across all sessions in a selected range	Tracking long-term improvement across a season or year
High Game & High Series	Your personal bests plotted as milestones on a timeline	Seeing when your best performances occurred and what conditions produced them
Strike Rate	The percentage of first-ball strikes per session over time	Measuring consistency on the first ball and spotting dips in carry
Spare Conversion Rate	The percentage of single-pin and multi-pin spares converted per session	Identifying whether spare shooting is costing you pins
Ball Performance	Average score and strike rate broken down by ball used	Comparing how different balls in your arsenal are performing over time
Venue Comparison	Your average score at each bowling center you've logged sessions at	Understanding where you bowl best and worst
Competition Comparison	Average score across your different active competitions side by side	Comparing your league average to your tournament average

△ **Verify:** Confirm the full list of chart types available in the app and whether any of the above are named differently, combined into a single view, or available only at certain subscription tiers.

☐ Filtering Your Charts

Every chart can be filtered to narrow the data down to exactly what you want to see. Filters can be combined — for example, viewing your strike rate on a specific oil pattern over the last three months.

- ☐ **Date range** — last 10 sessions, last 30 days, current season, all time, or a custom range
- ☐ **Competition type** — League, Tournament, Practice, or all combined
- ☐ **Specific competition** — isolate one league or tournament
- ☐ **Ball** — filter to sessions where a specific ball was used
- ☐ **Venue** — filter to a specific bowling center

- **Oil pattern** — filter to sessions logged on a specific pattern

△ **Verify:** Confirm the available filter options and whether combined filtering (e.g. ball + venue + date range simultaneously) is supported.

Choosing a Date Range

The date range you select has a big effect on what your charts reveal. Here's a guide to choosing the right range for what you're trying to understand.

Range	Best For
Last 10 sessions	Short-term form — how you're bowling right now
Last 30 days	Recent trends across league and practice combined
Current season	Full league season progress — ideal for tracking average growth
All time	Long-term development — seeing how far your game has come
Custom range	Isolating a specific tournament, trip, or training block

Reading the Ball Performance Chart

The Ball Performance chart is one of the most practical views in Spectre Stats — it tells you which balls in your arsenal are actually producing results, rather than which ones you *think* are performing well.

- Each ball in your arsenal appears as its own data series or bar
- Average score and strike rate are shown for each ball across all sessions it was used in
- Filter by oil pattern to see how each ball performs on specific conditions
- Filter by venue to see if a ball is a strong performer at one house but not another

Over time, this chart helps you make smarter equipment decisions — choosing which ball to bring to a tournament, or recognizing that a ball you rarely reach for actually produces your best scores on medium oil.

△ **Verify:** Confirm how ball performance data is displayed — whether as a bar chart, scatter plot, or combined view — and whether minimum session thresholds apply before a ball appears in the

chart.

☐ Milestones and Personal Bests

Spectre Stats automatically tracks your personal bests and surfaces them as milestones within your performance history.

- ☐ **High game** — your best single game ever logged in the app
- ☐ **High series** — your best series (3 games) ever logged
- ☐ **Best average** — your highest rolling or season average on record
- ☐ **Milestone notifications** — optional alerts when you set a new personal best (see Notification Settings)

△ **Verify:** Confirm what personal best milestones are tracked and whether they are broken down by competition type (e.g. separate high game for league vs. tournament).

☐ Charts and Your Subscription

Advanced performance charts are a Pro feature. On a free account, your session data is still recorded in full — upgrading to Pro at any time will immediately unlock charts built from your complete history, including sessions logged before you subscribed.

△ **Verify:** Confirm whether any basic charting is available on the free tier, and that historical data logged before a Pro upgrade is fully included in charts once the subscription is active.

Related Sections

- Recording Shot Data
- Logging League Play & Tournaments
- Arsenal Management
- Subscription & Billing

Tip: Your charts are only as good as the data behind them. Consistently logging ball selection and oil pattern — even if you skip the frame-by-frame detail — will unlock the most useful filters and make your Ball Performance and Venue Comparison charts significantly more informative.

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