

UFC Fights Analysis

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Introduction

This presentation analyzes UFC fight data to uncover trends in knockdowns, strikes, fight durations, win methods, and event frequency. Data was collected from UFCStats.com through web scraping and cleaned for analysis.

Project Overview

Background

- UFCStats.com doesn't offer a public API
 - Data was scraped from fighter profile pages
 - Stats include knockdowns, strikes, submissions, and results
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Objectives

- Scrape fighter statistics and match history
- Clean and organize the dataset
- Explore trends like:
 - Fight frequency
 - Win methods
 - Fighter striking patterns

Deliverables

- A clean and structured UFC fight dataset
 - Visual analysis showing:
 - Top fighters by performance
 - Average fight time by weight class
 - Common win methods
 - Fight frequency trends
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Knockdowns Distribution

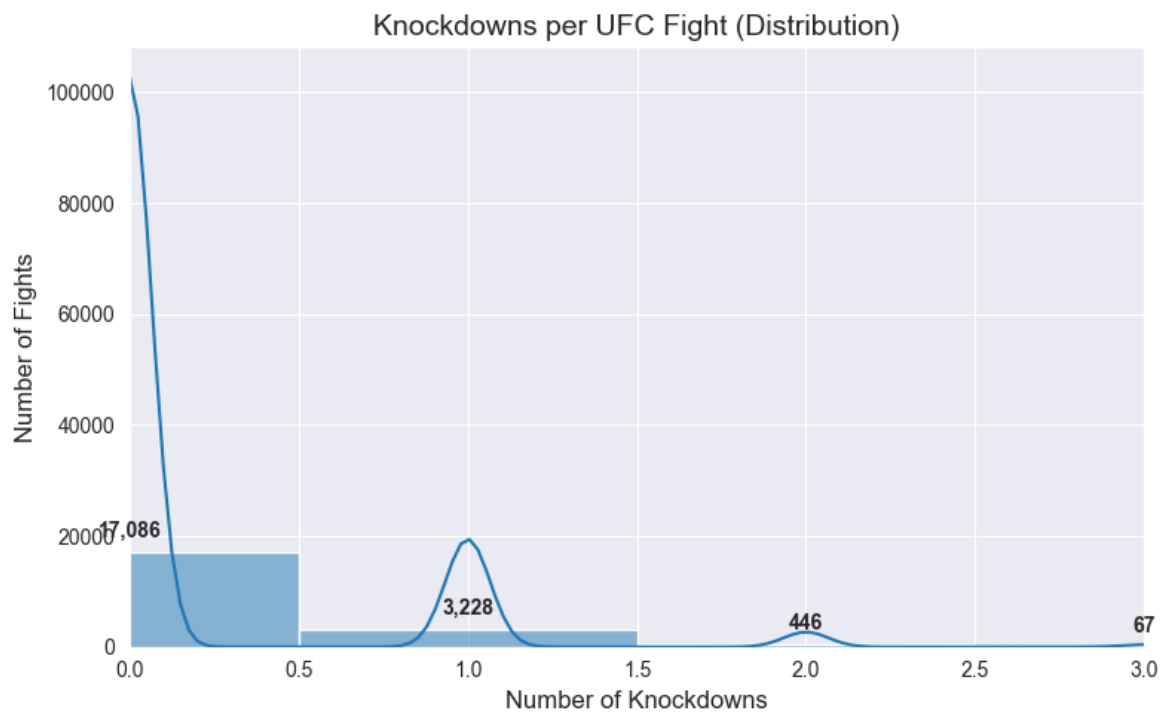


Figure 1: Knockdowns Distribution

Most fights have 0–1 knockdowns, suggesting defensive strategies.

Top 10 Fighters by Total Strikes

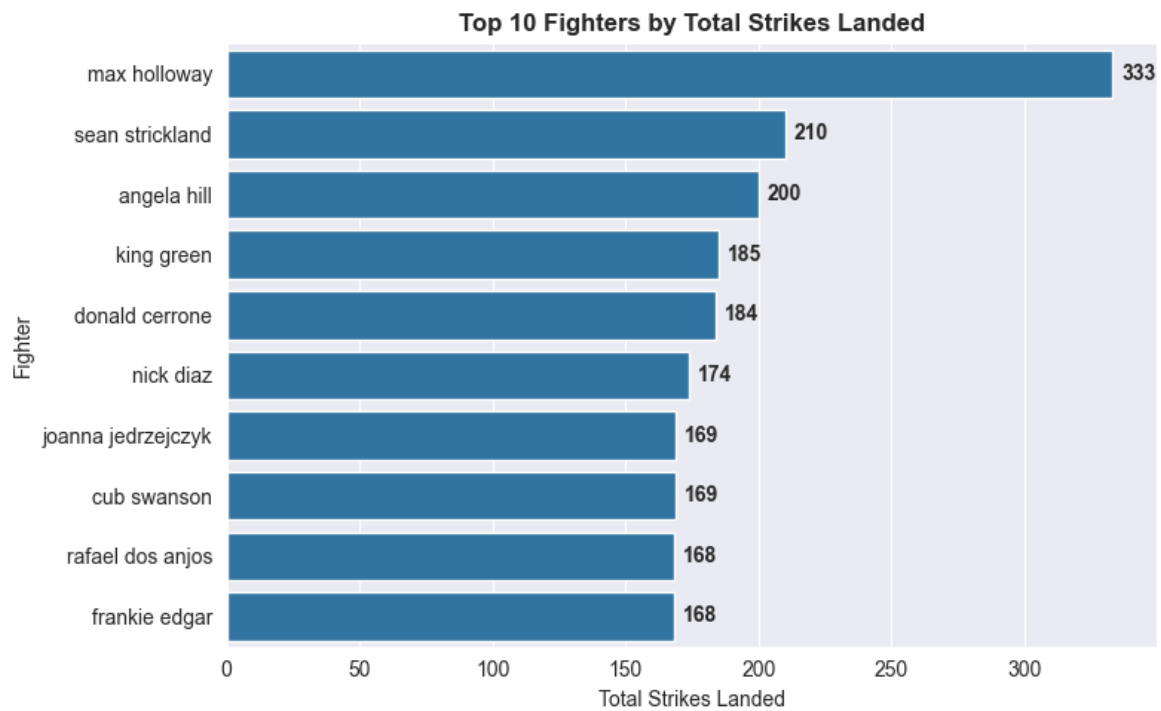


Figure 2: Top Strikers

Veteran fighters dominate due to experience and consistency.

Average Fight Length by Weight Class

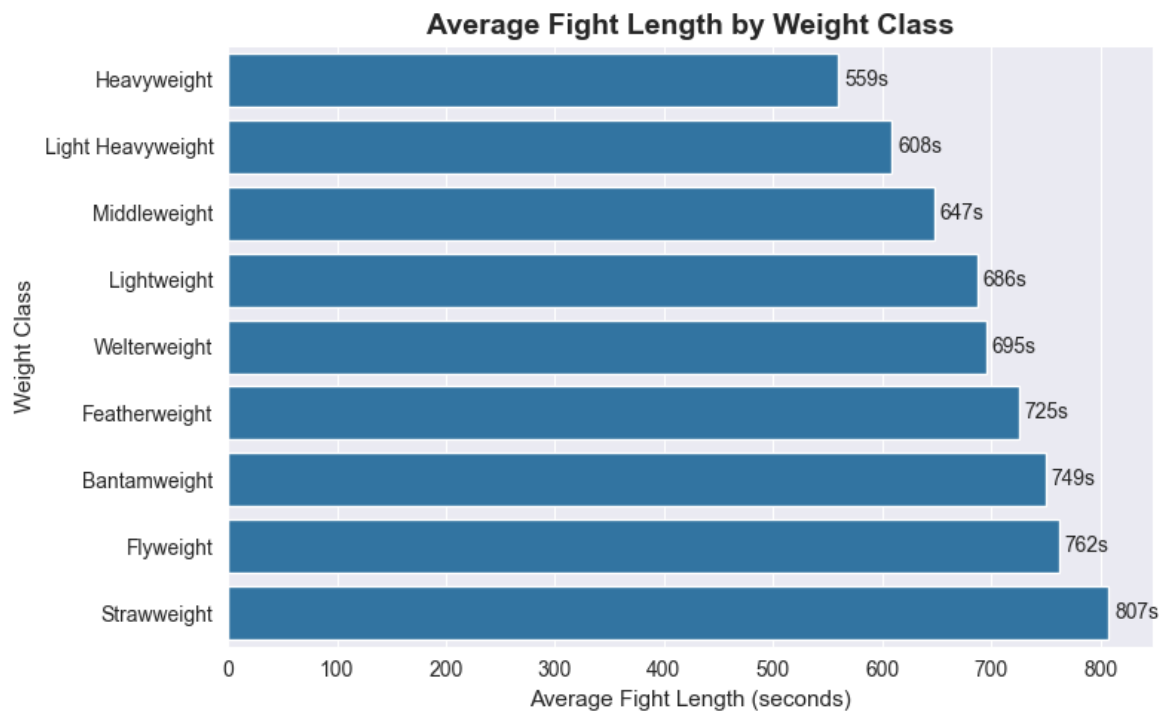


Figure 3: Average Fight Length

Heavier weight classes tend to have shorter fights due to higher knockout power.

Win Methods Distribution

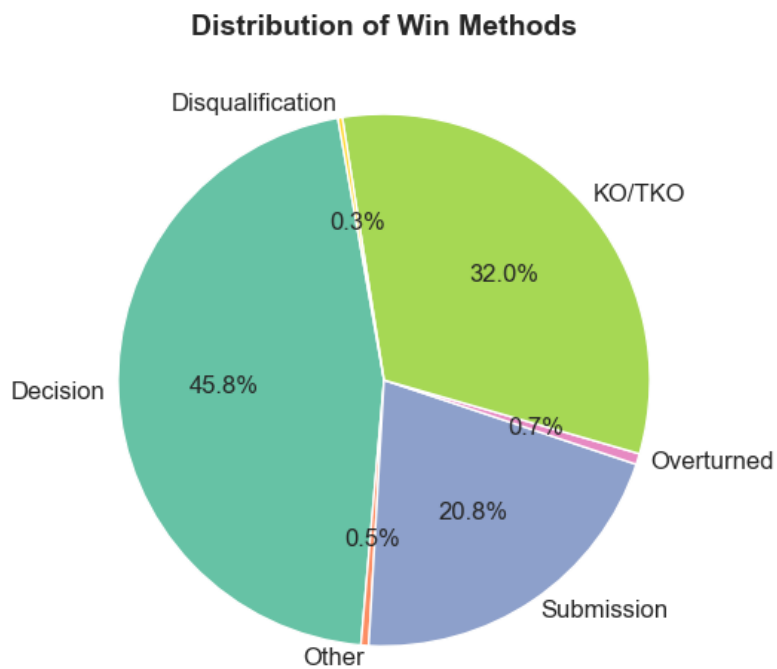


Figure 4: Win Methods

Decisions dominate (~60%), reflecting strategic endurance-based fights.

Fight Frequency Over Time

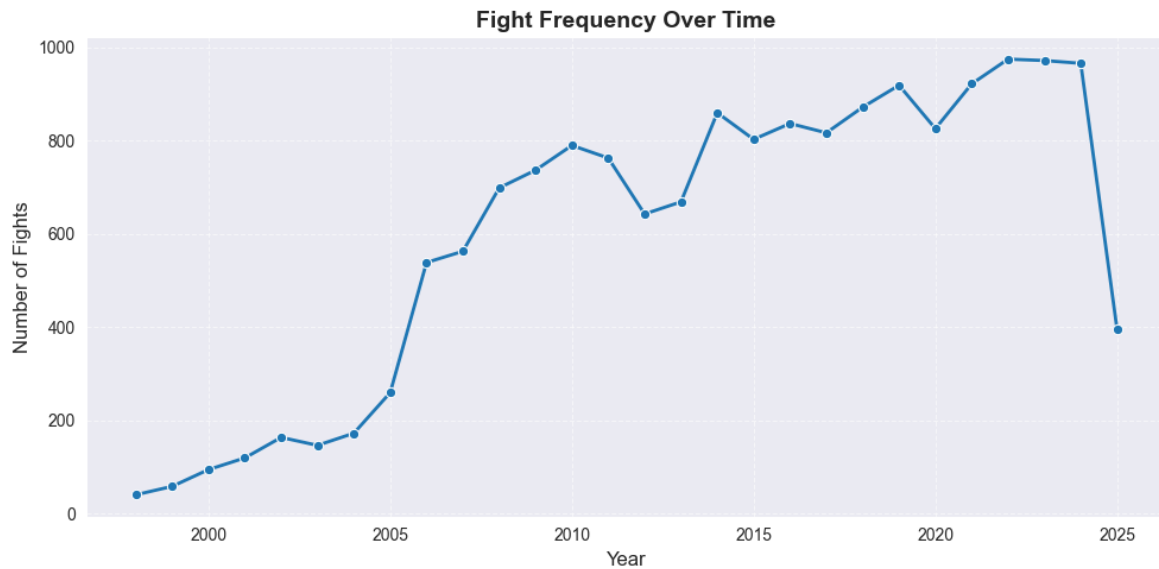


Figure 5: Fight Frequency

UFC events have steadily increased, peaking in recent years.

Conclusion

- **Win Method:** Most fights end in **decisions**, not knockouts
- **Weight Impact:** Heavier fighters finish faster
- **Experience Matters:** Veterans top striking stats
- **UFC Growth:** Fight frequency has increased consistently

These insights support training, match strategy, and fan engagement in the growing world of MMA.

Thank You

Questions?

Chance, Solange, Hope – 2025