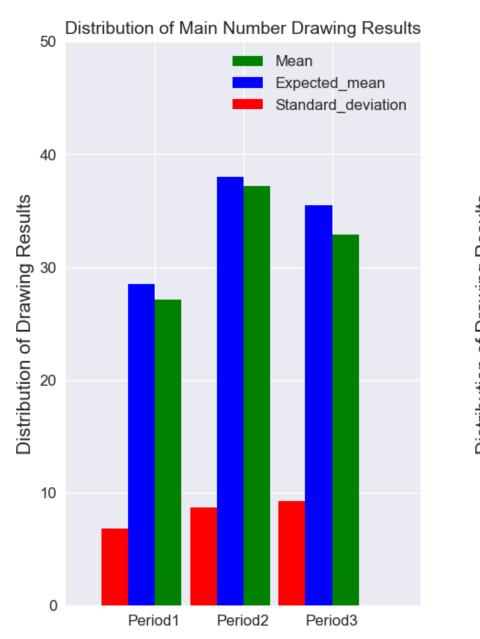
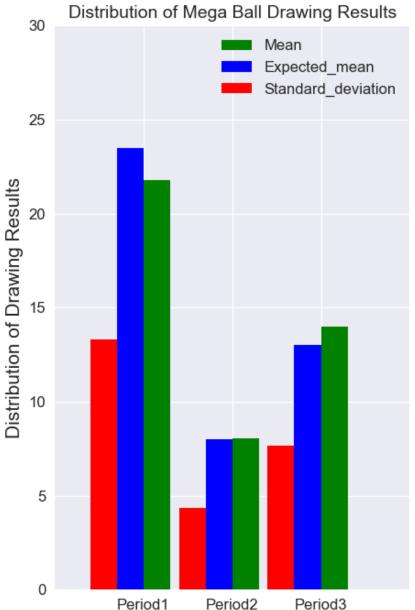
Mega Millions Jackpot – Lets Get Rich!!

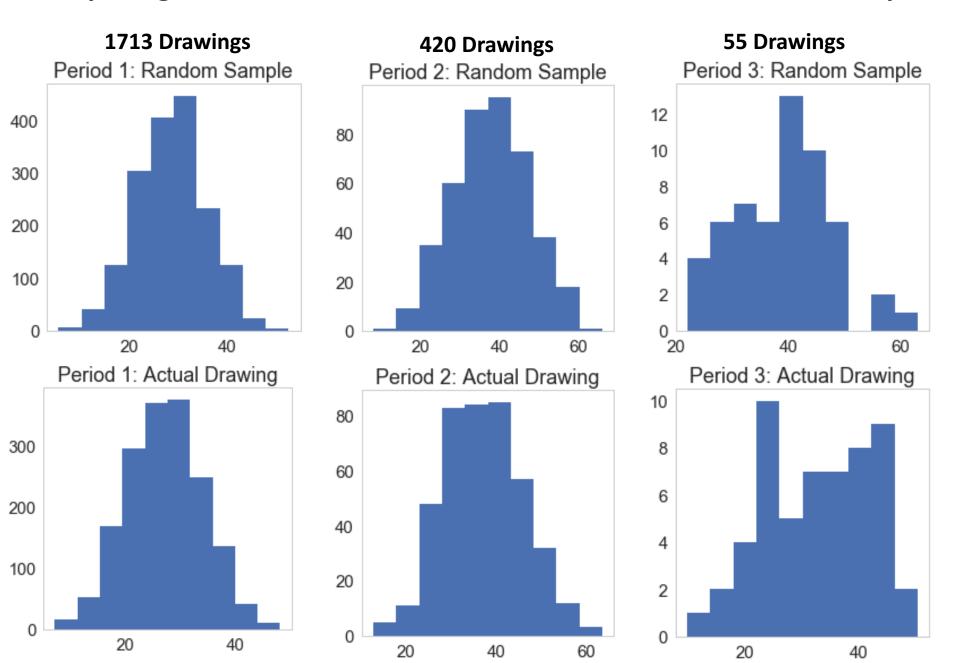
- Web scraped <u>www.usamega.com</u> and gathered drawing results as well as winning results for Mega Millions and Powerball jackpots
 - Total data size of ~10k rows with average of 15 columns
- Questions to answer: What, When, and Where
 - What numbers should one choose
 - When is the best time to play
 - Where should one buy the ticket
- Mega Millions has changed the format of the game twice
 - Original: Main draw of 5 numbers (1 to 56) and Mega Ball (1 to 46/52)
 - Oct 2013: Main draw of 5 numbers (1 to 75) and Mega Ball (1 to 15)
 - Oct 2017: Main draw of 5 numbers (1 to 70) and Mega Ball (1 to 25)
- Odds of winning changed from 1 in 176 million (original) to 1 in 259 million (Oct 2013 – Oct 2017) and currently stand at 1 in 303 million

Summary Statistics of Drawing Results

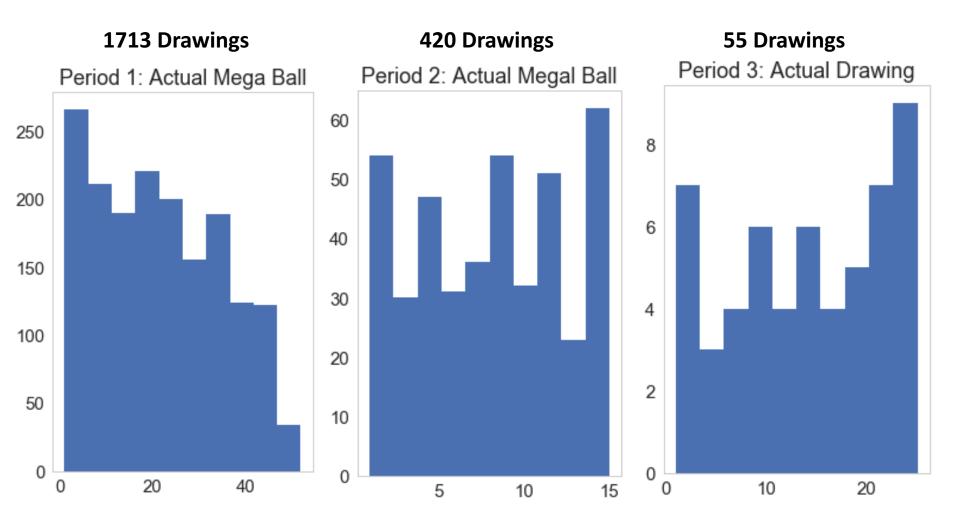




Comparing Distribution of Mean Results: Actual vs. Random Sample

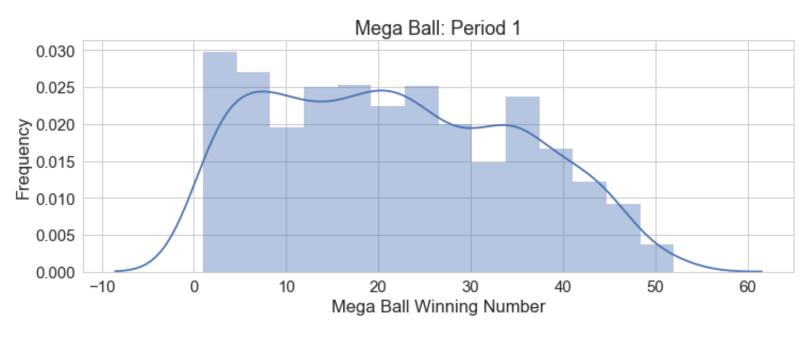


Distribution of Mega Ball Results



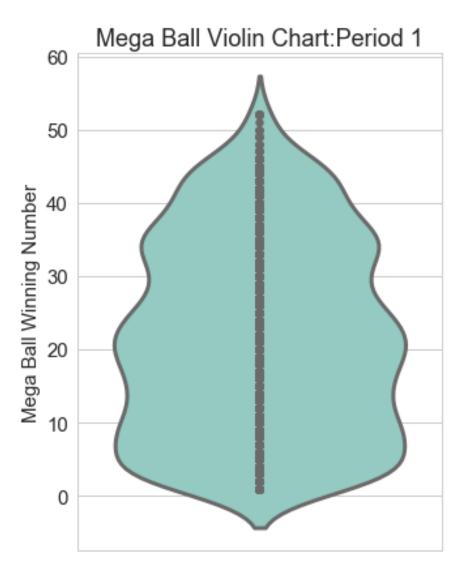
Mega Ball distribution is Period 1 is not uniform as would be expected.

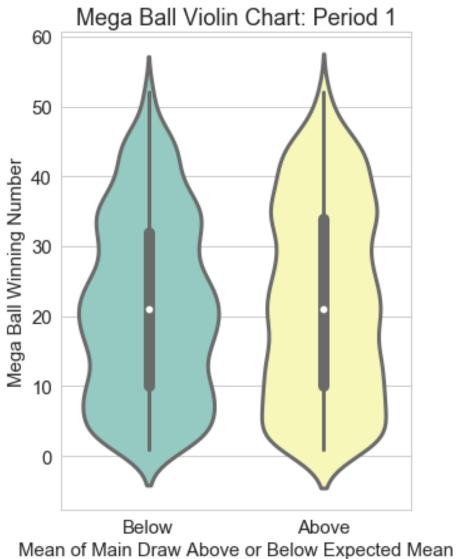
Period 1: Mega Ball Skewed to Lower Numbers



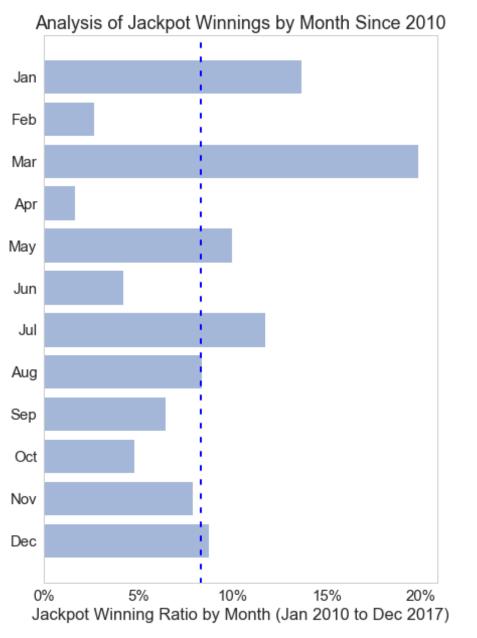


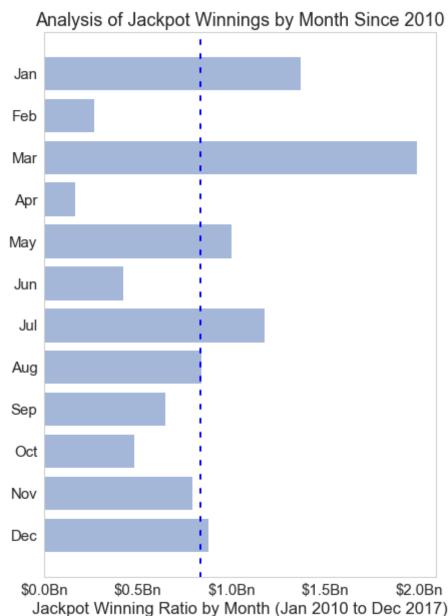
Period 1: Mega Ball Skewed to Lower Numbers





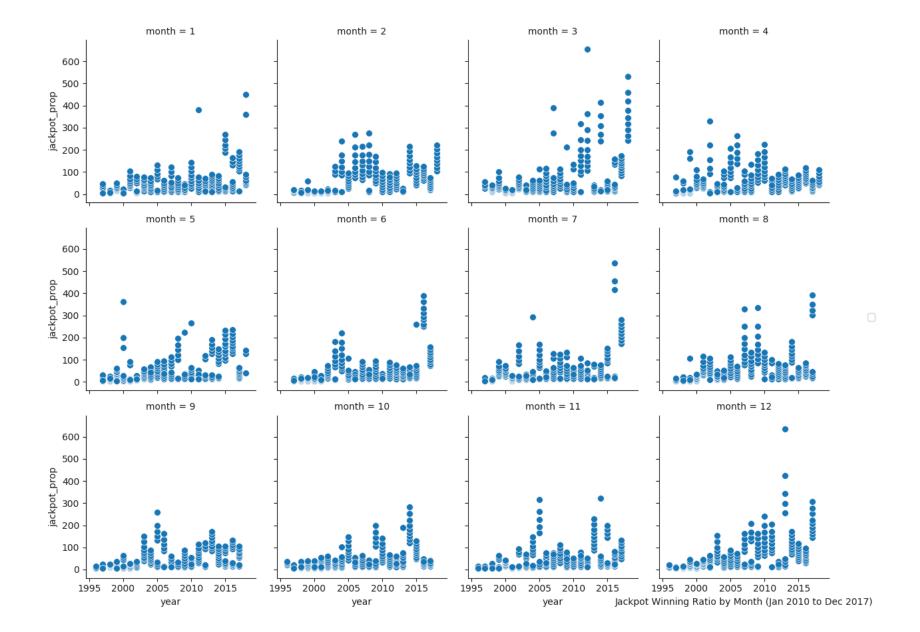
Jackpot Winnings by Month: 2010 to 2017



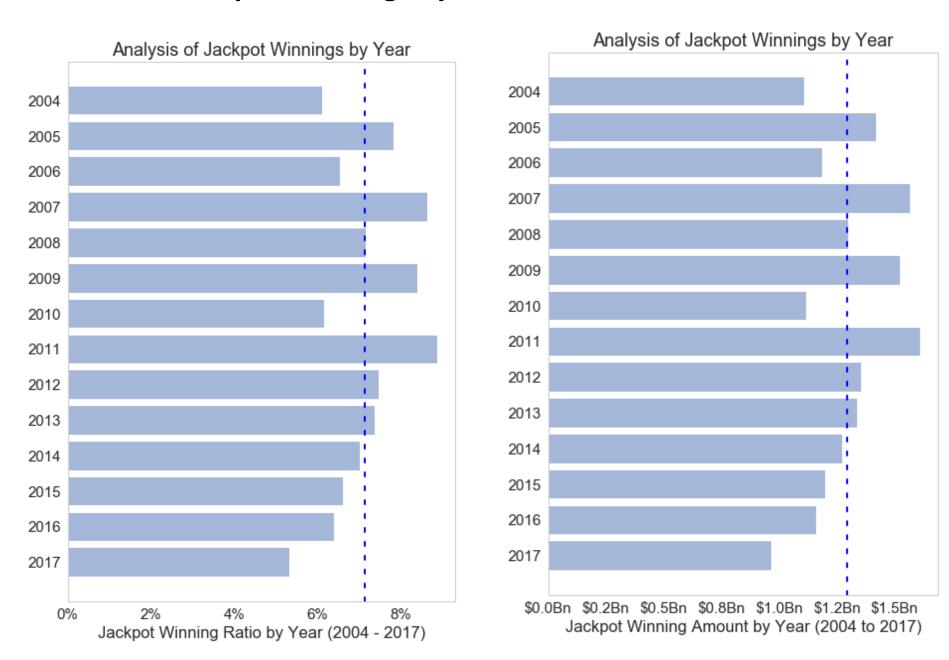


Jackpot Winnings by Month

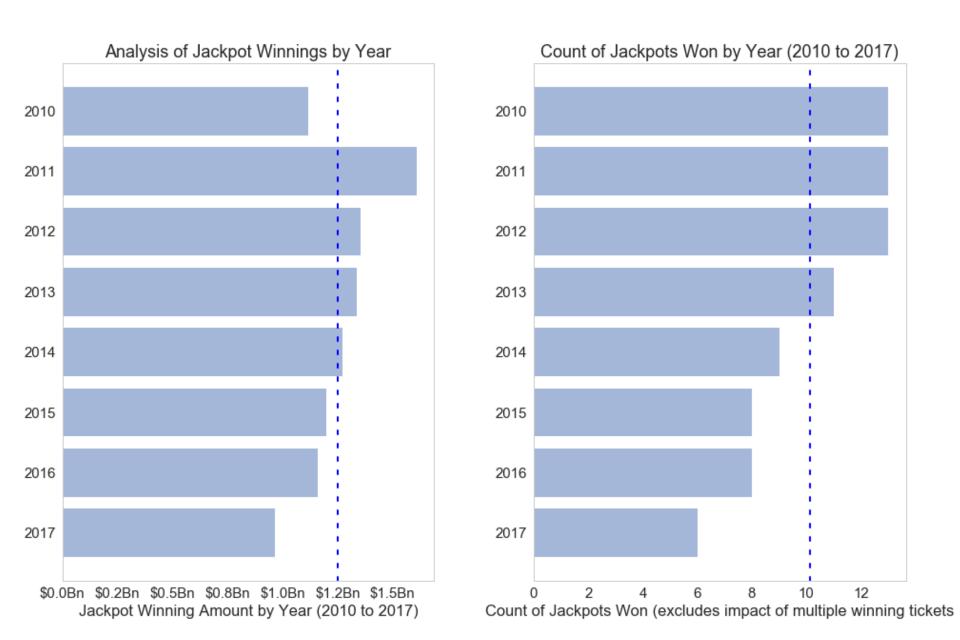


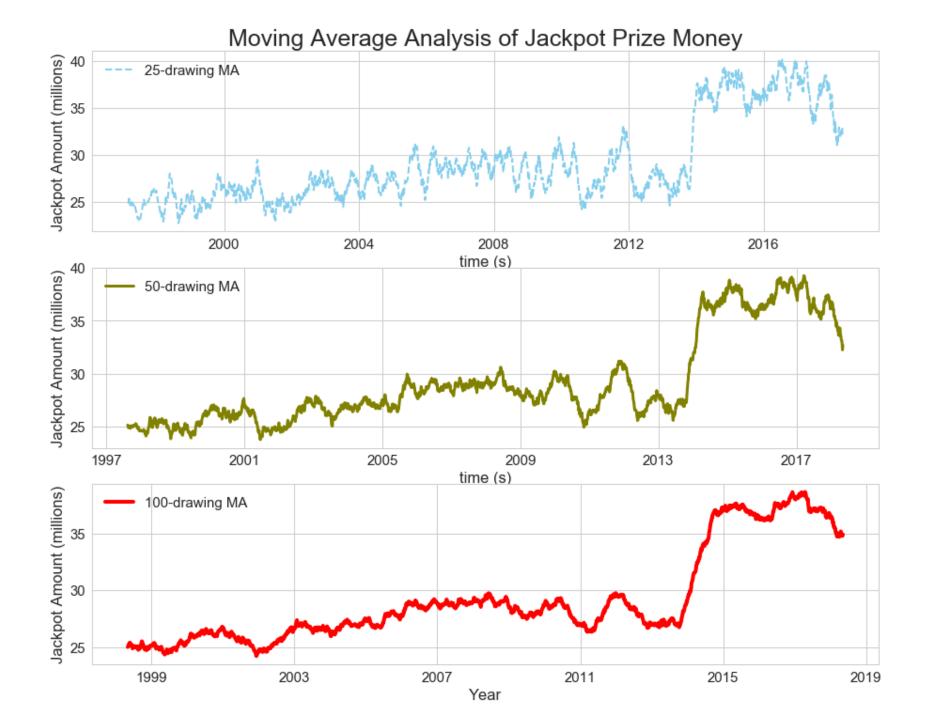


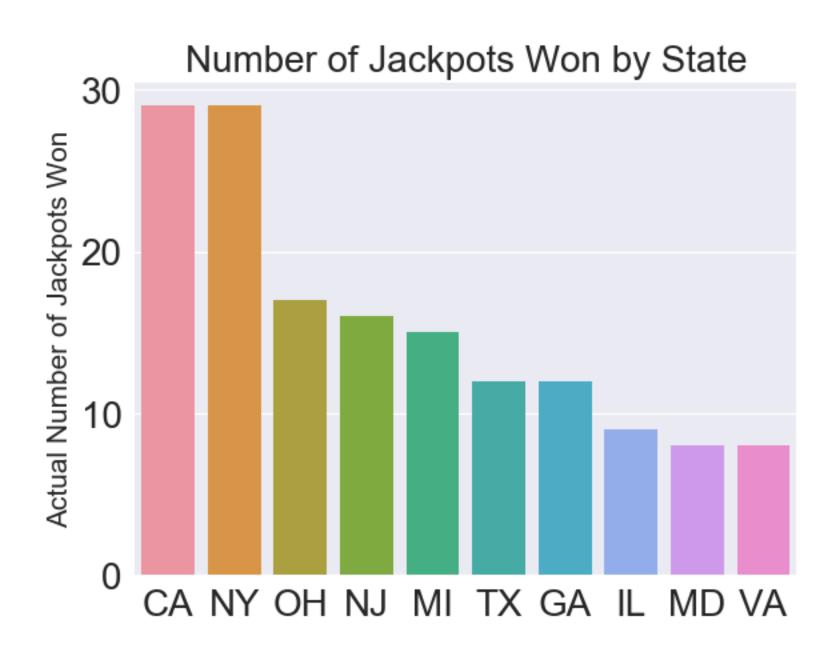
Jackpot Winnings by Year: 2004 to 2017



Jackpot Winnings by Year: 2010 to 2017







Jackpot Win Count by State: Actual versus Expected

