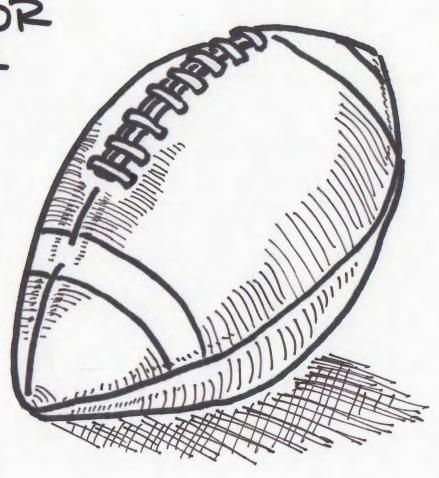
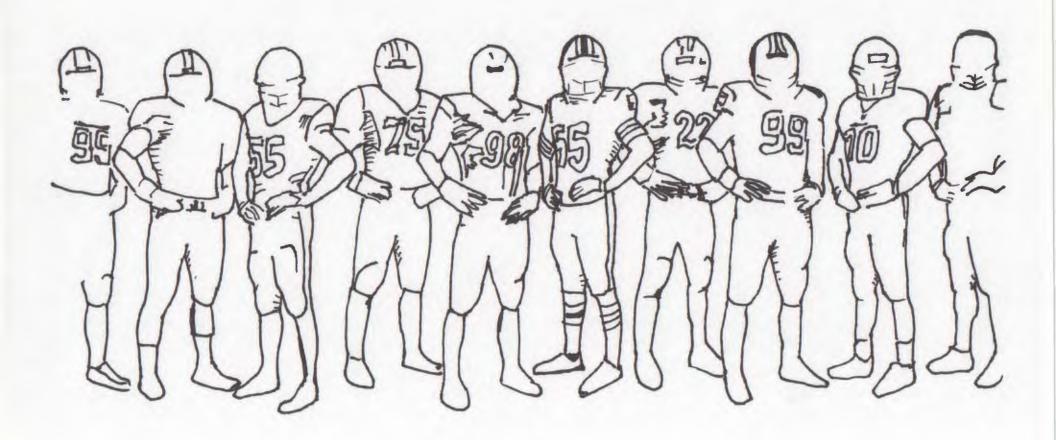
FANTASY FOOTBALL:

A TOUCHDOWN FOR UNDERGRADUATE STATISTICS EDUCATION

BEN MOTZ INDIANA UNIVERSITY



HOW DOESTHE GAME WORK?









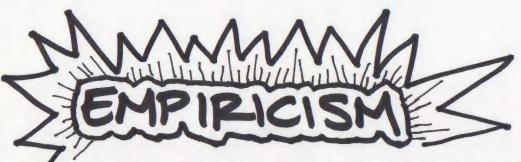


G WINNER!

CLOSER "

	No Punt Intended					Daf	leimets				
	STARTERS				Fartany	STA	RTERS				4 Fantas
-	POS Player	Opp	Status	State	Points	PO5	Player	Орр	Status	State	Point
	QB M. Stafford	IND	Loss, 33-35	3 j 3 Pass Yds, 2 Pass TD, 1 Int	18.52	CID	M. Ryan Q8 - ATL	NO	Win, 23-13	165 Pass Yds, 1 Pass TD, -2 Rush Yds	18.4
	RB R. Rice	PIT	Loss, 20-23	78 Rush Yds, 1 Rush TD, 5 Rec Yds	14.30		D. Martin RS - TB	@DEN	Loss, 23-31	56 Rush Yds, 42 Rec Yds	9.0
	RB C. Spiller RB - BUF	JAC	Win, 34-18	77 Rush Yds, 1 Rush TD, 7 Rec Yds	14.40		A. Morris RB - WAS	NYG	Win, 17-16	124 Rush Yds, 1 Furn	10.0
	WR D Bryant WR - DAL	PHI	Win, 38-33	98 Rec Yds, 2 Rec TD	21,00		R. Wayne WR - IND	@DET	Win, 35-33	51 Rec Yds	5.1
	WR D Moore	CLE	Loss, 17-20	31 Rec Yds	3.10		A. Green WR - CIN	@50	Win, 20-13	85 Rec Yda	8.5
	TE - CIN	@50	Win, 20-13	35 Rec Yds, 1 Rec TD, 1 Fum	7.50	TE	K. Rudolph TE - MM	@ GB	Loss, 14-23	51 Rec Yds, 1 Rec TD	11.1
	WAR B Brown	@GAL	Loss, 33-38	169 Rush Yds, 2 Rush TD. 1 Fum, 14 Rec Yds	28.30		R. Cobb WR - GB	MIN	Win, 23-14	62 Rec Yda, 5 Rush Yds	6.7
	K M. Bryent	NO	W/m, 23-13	2 PAT, 1 20-29, 1 40-49, 1 50+	13.00		J. Tucker K - BAL	मा	Loss, 20-23	2 PAT, 1 20-29, 1 40-49	8.0
	DEF Texans	Q TEN	Win, 24-10	10 Pts. 6 Scit, 3 Int, 3 Fum	22.00		Broncos DEF	TB	Win, 31-23	23 Pts, 1 Sdk, 1 Int, 1 TD	3.0
				Total Points:	142.92					Total Points:	79.0
	BENCH					BEN	ICH				4
					Fantauy						Famine
	POS Player	Opp	Status	Stats	Points		Player	Opp	Status	Stats	Points
	BN C. Pelmer QB - QAK	CLE	Loss, 17-20	351 Pess Yds, 2 Pass TD, 1 Int, 3 Rush Yds	20.34	BN	A. Boldin WR - BAL	PIT	Loss, 20-23	81 Rec Yds, 1 Rec TD	14.1
	SN F. Jones RB - DAL	PH	Win, 38-33	26 Rush Yds	2,60		M. Forte RB - CHI	SEA	Loss, 17-23	66 Rush Yds, 30 Rec Yds, 1 Rec TD	15.6
	BN R Bush	ME	Loss, 16-23	64 Rush Yds	6.40	BN	M, Bush RB - CHI	SEA	Loss, 17-23	39 Rush Yds	3.9
	BN M. Watace WR - PIT	@BAL	Win, 23-20	44 Rec Yds	4.40	BN	R. Gronkowski TIE - NE 64	QUIA	Win, 23-16		0.0
	BN T. Smith	PIT	Loss, 20-23	33 Rec Yds	3.30	BN	L McCoy	@OAL	Loss, 33-38		0.0
	BN A Daton QB - CRV	@50	Win, 20-13	211 Pees Yds, 1 Pees TD, 2 Int, 5 Rush Yds.	14.94	BN	Falcons DEF	100	Wn. 23-13	13 Pts, 1 Sck, 5 Int	15.0

SCREENSHOT FROM NFL.COM FANTASY PLATFORM. YES, I ACTUALLY GOT WHITTEN PERMISSION FROM NFL TO REPRODUCE THIS IMAGE. THEY STILL OWN IT.



CUPIOSITY ABOUT STATISTICS & TATA SEEM TO COME NATURALLY FROM FANTASY FOOTBALL GAMEPLAY.

HAWERSON & HAWERSON, 2008; COMEAU, 2007

Advanced NFL Stats



.COM



















PATA POINTS

PYTHON + MECHANIZE + BEAUTIFUL SOUP

from bs4 import Beautiful Soup from mechanize import Browser

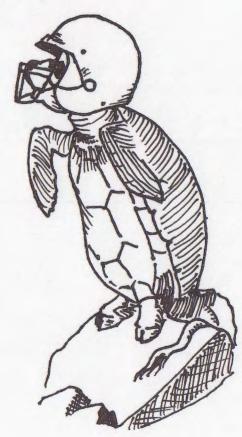
url = "http://espn.go.com/nfl/boxscore?gameld = 322123009"

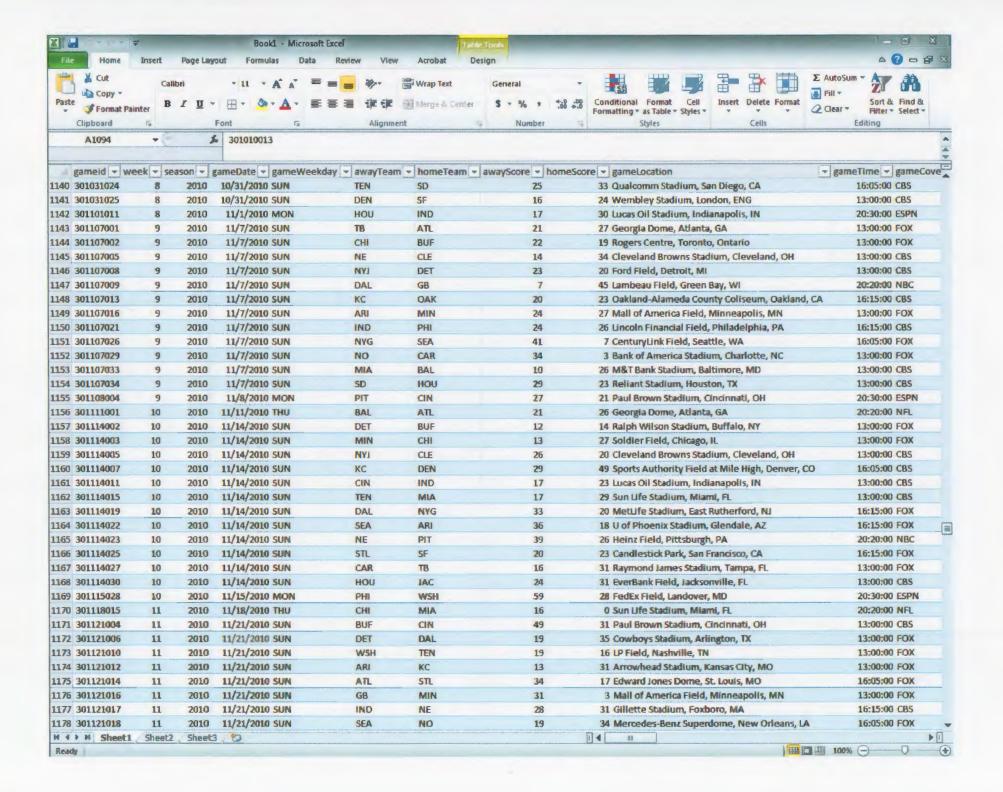
mech = Browser()

page = mech.open(url) html = page.read()

soup = Beautiful Soup(html)

gamestats = soup.findAll("table")[5] for row in game Stats. find All ("tr") [1:]: for col in row.findAll ("td"): this Cell = col.get_text()





SUMMARIZING AND MANIPULATING DATA IN EXCEL

- . WHAT NASTHE BIGGEST SURPRISE OF WEEK Z?
- · WHO IS THE MOST CONSISTENT QB, ZB, WP, ETC.? COPPELATION & REGRESSION ANALYSIS
- · WHAT SITES HAVE THE MOST ACCUPATE PROJECTIONS?
 OPTIMIZATION & SIMULATION

· WHEN SHOULD A TERM GO-FOR-IT ON 4TH DOWN?

cwater analysis

. WHAT KIND OF QBS DO YOU HAVE?

FULL SYLLABUS & TOPIC SCHEDULE AT: http://pigskin.psych.indiana.edu/?page_id=20

I will be the first to recognize how I am a complete nooh in this subject. I have never played fantasy prior to this course nor did I know fantasy football was such a component to this course. The first day of class I was discouraged. I'm a freshman girl who is totally unprepared and taken eback by the course she just set in. I called my parents frazzled. They advised me to continue and give the course a chance. I am so glad I did. The concept of the course is to arrange classes around something fun and active that students are passionate about. []...]

December 4th, 2012 | One comment

WHAT TO MAKE OF MURRAY

By bnahrsta

Delifarco Murray first burst onto the scene in Week 7 last year against the St. Louis Rams, in that game, Murray carried the ball 25 times for 253 yards and a touchdown. This resulted in a 31.3 point game in fantasy. Ever since running over the Rams' defense, Murray has been a steple in the Cowboys' offense. The problems occur when he gets injured, which he is prone to do. In Week 14 last year, Murray injured his ankle and did not play the rest of the year. However, while he was playing last year, he was very productive. In games in which he started [...]

December 4th, 2012 | Leave a comment

DONT SLEEP ON ST. LOUIS

By Itycon

If you have read my blog posts before, you would know I am a fanatic Rams fan. I grew up in St. Louis and have been watching the blue and gold since Trent Green went down. After 5 losing seasons, and 2 different head coaches, many people in the city have lost faith in the franchise. But this year under new head coach Jeff Fisher, the Rams have made considerable steps toward being a playoff team again. His mentality of physical play and aggressive style has re-amped this franchise. But a coach can only do so much, and three players in particular [...]

December 4th, 2012 | Leave a comment

BREES WAS A GOOD PICK

By ioehobso

Draw Brees has been one of the best quarterbacks in this decade. He has put up some crazy numbers and set numerous records. This is part of the reason that I decided to pick up Draw with my first pick, the second overall pick in my league's draft.

Over the past 3 seasons, out of all the quarterbacks that played, he has the most passing attempts, passing completions, passing yards, and passing touchdowns. This Pivot Table shows some stats from the top quarterbacks over the past 3 seasons. The table is sorted in descending order by passing attempts, but you can atili see that Brees [...]

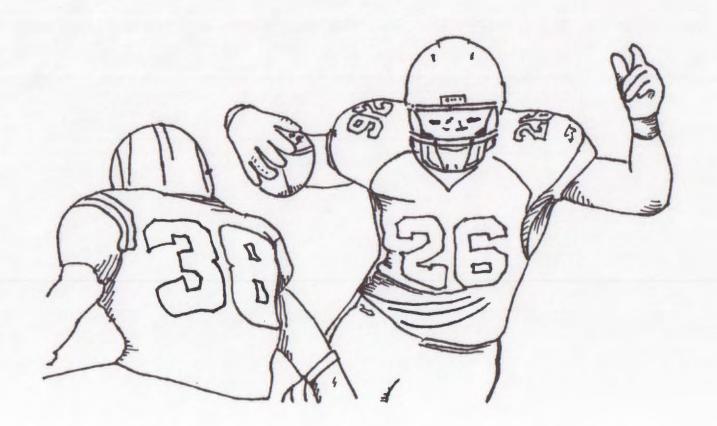
December 3rd, 2012 (3 comments

AMAZING ADRIAN

By jgrollma

Over the past few seasons Adrian Peterson has consistently been one of the top running backs in the entire league. Last year, during a game against the Washington Redskins, he suffered a very unfortunate ACL and MCL tear and the diagnoses did not look very good. There was question as to whether Peterson would be able to play in the 2012 season and worst-case scenario, if he would ever play again.

INSIGHTS

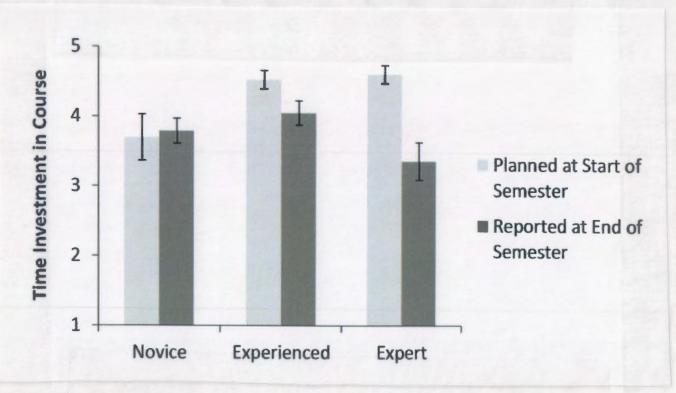


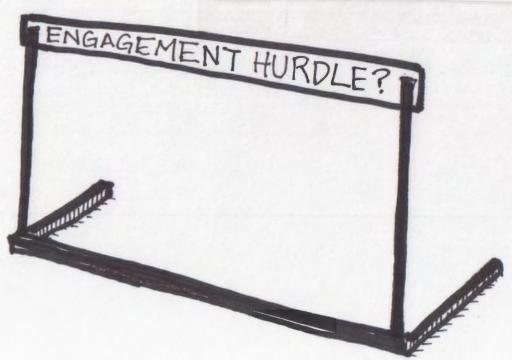
FF DATA-SAWY IS GENERALIZABLE

BLOG POSTS (ABOUT FF) WERE HIGHLY CORRELATED WITH SCORES ON EXAMS (ABOUT DATA ANALYSIS)

T = 0.656, P< 0.001







AVERAGE SLOPE IN CLASS WAS 83%

STUDENT INTEREST IN COURSE

MATERIAL RANKED IN 88th

PERCENTIVE OF ALL UNIVERSITY

COURSES

REMEMBER:
THIS IS A [SOMETIMES HAPP]
STATISTICS CLASS!



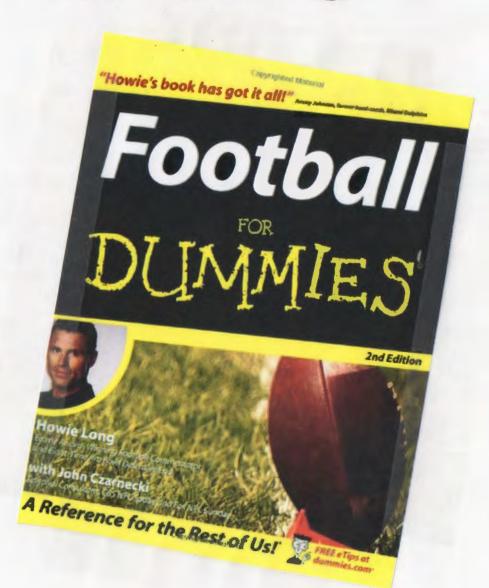
FANTASY POOTBALL IS ACCESSIBLE

- NO COPPELATION

 BETWEEN PF

 EXPERIENCE AND END
 OF-SEMESTER GRADES

 (=-0.012, ns
- NO GRAPE DIFFERENCE
 BETWEEN MALE AND
 FEMALE STUDENTS t(57)=.709, ns





also ...

CORY MUMMERY SENIOR DIRECTOR DIGITAL PRODUCT, NFL

SHAWN BARR

GRADUATE TEACHING ASST. EXTRAORDINAIRE

MIKE MCKNIGHT

CONTRIBUTING WRITER, CPORTS ILLUSTRATED

LAURA PWMMER

INDIANA UNIVERSITY CITL

NATE PAVITZ

PEPUTY EDITOR, ESPN. COM FANTASY