

WHO WILL MAKE TEAM USA ROSTER FOR THE 2016 WORLD CHAMPIONSHIPS?

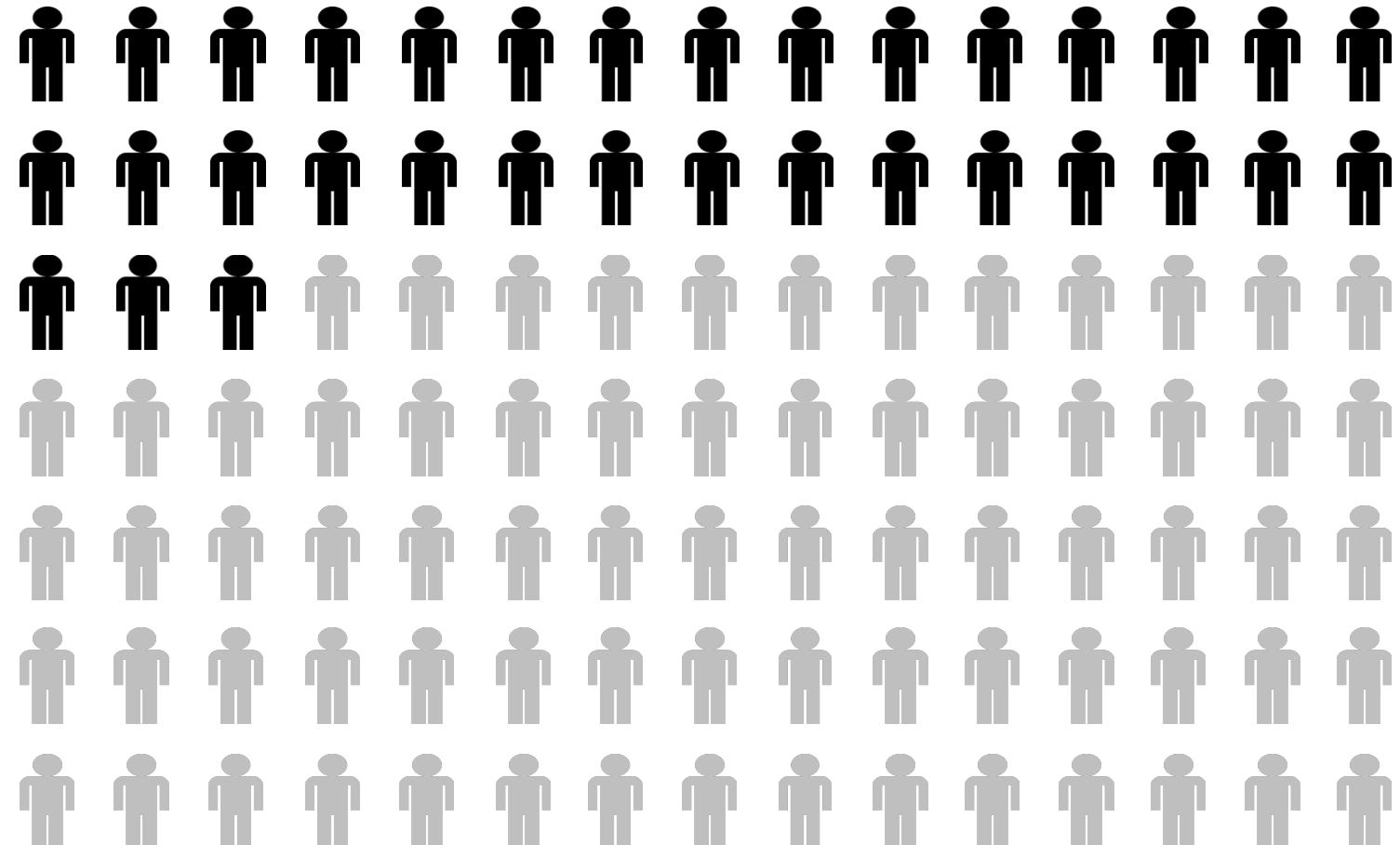
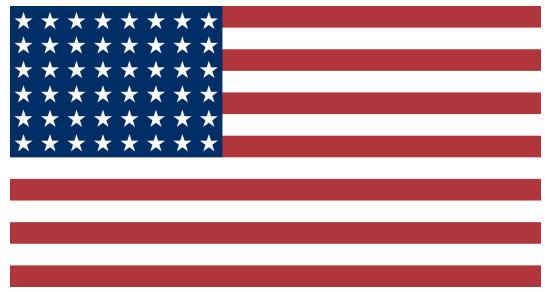
DAT10

OCTAVIA PAYNE



PROBLEM

IN JANUARY 2016, 105 WOMEN TRYING OUT FOR 33 ROSTER SPOTS ON TEAM USA



PROBLEM

- ONLY SECOND TIME OPEN TRYOUTS HAVE BEEN HELD TO SELECT TEAM USA (NO PRECEDENT)
 - FIRST TIME WAS IN 2013 FOR THE WORLD GAMES (MIXED-GENDER ROSTER)
- LIMITED AND INCONSISTENT STATS
 - GOALS, ASSISTS, D'S, TURNS
 - TEAM CONDUCT SCORES
 - INCONSISTENT ACROSS YEARS AND COMPETITIONS



QUESTION

CAN WE PREDICT WHO WILL MAKE TEAM USA (WOMEN'S) BASED ON PAST INDIVIDUAL STATS AND TEAM CONDUCT SCORES?

TEST CASES

- 2013 WORLD GAMES ROSTER
- STATS FROM PLAYERS ON FURY AND RIOT



QUESTION

HEAD COACH: MATT TSANG



SAN FRANCISCO FURY; 2013 WORLD GAMES

ASSISTANT COACH: ANDREW LOVESETH



SEATTLE RIOT

HYPOTHESIS

GIVEN THE COACHING STAFF, PLAYERS WHO ARE MOST CONSISTENT AND DEMONSTRATE GREATEST SPORTSMANSHIP HAVE THE BEST CHANCES OF MAKING THE ROSTER

- COACHES TSANG AND LOVSETH BOTH USE EVEN SUBBING STRATEGIES (FACELESS ARMY VS. SUPER-STARS)
- THEIR TEAMS PLACE HEAVY EMPHASIS ON TEAM CONDUCT



DATA

- STATS AND SPIRITS SCORES FROM USA ULTIMATE CLUB CHAMPIONSHIPS
 - 2013
 - 2014
 - 2015
- STATS FROM PAST INTERNATIONAL CHAMPIONSHIPS
 - 2012 WUGC
 - 2013 WORLD GAMES
 - 2014 WUCC
- PAPER ON QUANTIFYING PLAYER CONTRIBUTION USING SPATIAL STATISTICS



NEXT STEPS

- DATA CLEANING AND EXPLORATION
 - DIFFERENT FORMATS AND SOURCES
 - DIFFERENT STATS COLLECTED ACROSS YEARS AND COMPETITIONS

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Women's Division Statistics

Team	#	Player	Goals	Assists	DS	TOs	#
Bent	0	Brittany Kaplan	0	3	2	5	
Bent	1	Lexi Zalk	4	1	4	0	
Bent	2	Karen Chaff	3	1	0	6	
Bent	3	Judy Jarvis	3	7	2	11	
Bent	5	Katherine Cole	1	1	1	2	
Bent	6	Ashley Daly	19	3	3	3	
Bent	7	Elizabeth Middleton	2	1	2	5	
Bent	8	Maria Wilson	2	0	0	2	
Bent	12	Rebekah Souder-Russo	6	2	1	10	
Bent	13	Rebecca Tucker	5	14	1	16	
Bent	14	Kerry Beyer	2	2	0	4	
Bent	15	Diana Delojo	4	0	0	1	
Bent	16	Emily Cho	0	2	1	2	
Bent	17	Angie Li	0	1	0	1	
Bent	18	Kendra Frederick	3	3	4	0	
Bent	19	Megan Randall	4	0	2	2	
Bent	21	Cara Brown	0	2	1	4	
Bent	22	Anna Membreno	0	7	0	6	
Bent	25	Emma Kavle	0	2	0	0	

USA ULTIMATE
THE UNITED STATES NATIONAL GOVERNING BODY
FOR THE SPORT OF ULTIMATE

ABOUT FOLLOW THE ACTION COMPETITION DIVISIONS PROGRAMS MEMBERSHIP SHOP

[USA Ultimate National Championships > Schedules & Standings](#)

Club - Women

Pool Play Championship Bracket Pro Flight Bracket Placement Bracket (Elite Flight)

Pool A			Pool B			Pool C			Pool D		
Team	W - L	Tie	Team	W - L	Tie	Team	W - L	Tie	Team	W - L	Tie
Brute Squad (1)	3 - 0		Rot (2)	3 - 0		Fury (3)	3 - 0		Scandal (4)	3 - 0	
Ozone (8)	2 - 1		Heist (11)	2 - 1		Traffic (6)	2 - 1		Molly Brown (5)	2 - 1	
Schwe (12)	1 - 2		Nightlock (7)	1 - 2		Showdown (10)	1 - 2		Nemesis (9)	1 - 2	
Capitals (13)	0 - 3		Green Means Go (14)	0 - 3		Underground (15)	0 - 3		Tabby Rosa (16)	0 - 3	

Pool A Schedule & Scores

Date	Time	Field	Team 1	Team 2	Score	Status	Options
Thu 10/16	9:00 AM	12	Brute Squad (1)	Schwe (12)	15 - 3	Final	Match Report
Thu 10/16	9:00 AM	13	Ozone (8)	Capitals (13)	14 - 13	Final	Match Report
Thu 10/16	11:15 AM	12	Brute Squad (1)	Capitals (13)	15 - 3	Final	Match Report
Thu 10/16	11:15 AM	13	Ozone (8)	Schwe (12)	14 - 13	Final	Match Report

WFDF 2012 World Ultimate & Guts Championships
July 7 – 14, 2012 Sakai, Japan

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Score Menu:

- Game Schedule
- All Division
- Open(Ult)
- Women's(Ult)
- Mixed(Ult)
- Open Masters(Ult)
- Women Masters(Ult)
- Open(Guts)

USA

Games	Wins	Losses	Draw	Goals for	Goals against	Goals diff	Win %	Rank
12	9	3	0	192	94	98	75%	2

<GameList for the Team>

MCD	Date	Time	Field	Team	- VS -	Team	Status
WAL7	07/08	12:30	S22	USA 17	X 9	Colombia	[Result]
WAL2	07/08	16:30	S1	USA 12	X 16	Canada	[Result]
WAL6	07/09	09:00	S8	USA 17	X 8	Great Britain	[Result]
WAL4	07/09	14:00	S10	USA 17	X 5	Germany	[Result]
WAL1	07/10	09:00	S25				
WAL9	07/10	14:00	S22	WALS	07/11	09:00	S9
WAL5	07/11	14:00	S6	WALS	07/12	09:00	S8
WAL10	07/12	17:00	S7	WT2	07/13	11:00	S26
WT2	07/14	10:30	S1	WT3	07/14	10:30	S1

WUCC 2014

Division statistics: Women's

Team	Seeding	Games	Wins	Losses	Goals for	Goals Against	Goals diff	Win %
USA	4	10	9	1	125	50	100.0%	
Fury	3	9	8	1	139	78	61	88.9%
Traffic	7	9	8	1	134	83	51	88.9%
Scandal	1	9	8	1	129	61	68	88.9%
Revolution	2	9	7	2	127	57	70	77.8%
ZUF	6	9	6	3	125	109	16	66.7%
Revolution	15	9	6	3	113	113	0	66.7%
ZUF	9	8	5	3	108	88	20	62.5%
FCB	8	8	5	3	106	91	15	56.25%
HUCK	5	9	5	4	129	107	22	55.6%
Showdown	12	9	5	4	118	104	14	55.6%
Cosmic Girls	13	8	4	4	100	102	-2	40.0%
Cosmic Hucks	20	8	4	4	92	110	-18	50.0%
Artemis	21	8	4	4	87	103	-16	50.0%
E5	28	8	4	4	107	91	16	50.0%
Vision	16	8	4	4	97	85	12	50.0%
YMA	17	8	3	5	97	99	-2	37.5%
Sporting Team Box Athletico United	18	8	3	5	107	108	-1	37.5%
U-17 Women's	31	8	3	5	84	108	-24	37.5%
U-17 Coed	10	8	3	5	80	109	-29	37.5%
Woodchicks	19	8	3	5	92	97	-5	37.5%
Nice Brits	24	8	3	5	74	101	-27	37.5%
LUL Ultimate	30	8	3	5	85	103	-18	37.5%
USA Gold	12	8	3	5	112	113	-1	37.5%
Rogue	26	8	3	5	93	107	-14	37.5%
Brilliance	14	8	2	6	79	110	-31	25.0%
Alteboys	25	8	2	6	70	115	-45	25.0%
USA X	27	8	2	6	89	116	-27	25.0%
Sin City	29	8	2	6	85	113	-28	25.0%
Prague Devils	23	8	1	7	88	113	-25	12.5%
Catarinas	32	8	0	8	49	126	-77	0.0%

Show all pools

Scoreboard leaders

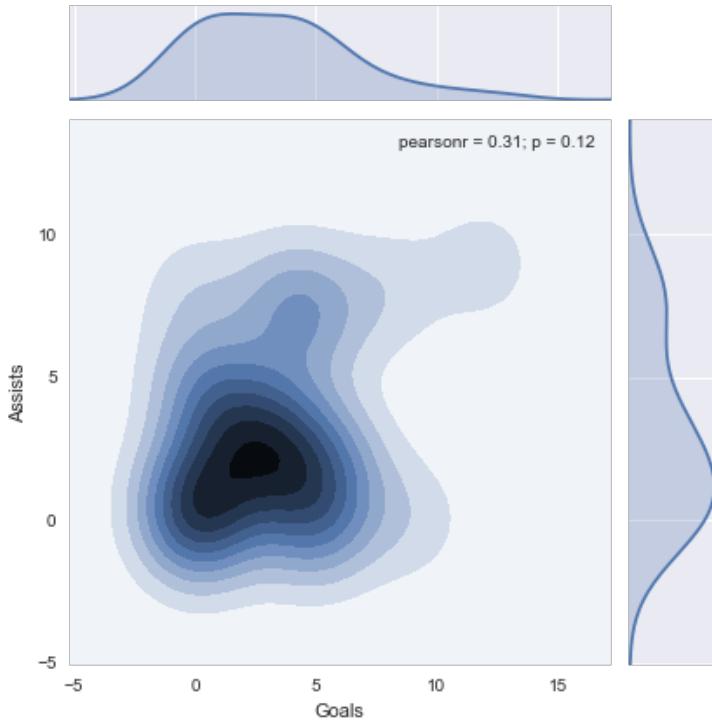
NEXT STEPS

- MODELING
 - COMPARE STATISTICAL PROFILE OF THOSE WHO MADE 2013 WORLD GAMES TEAM
 - COMPARE STATISTICAL PROFILE OF PLAYERS ON FURY AND RIOT VERSUS OTHER TEAMS
 - FIGURE OUT HOW TO WEIGH SPIRIT SCORES AGAINST STATS
- CONSIDERATIONS
 - AVERAGING STATS PER GAME TO ACCOUNT FOR TEAMS THAT HAVE MORE GAMES
 - RETRIEVE STATS FROM MATCH REPORTS

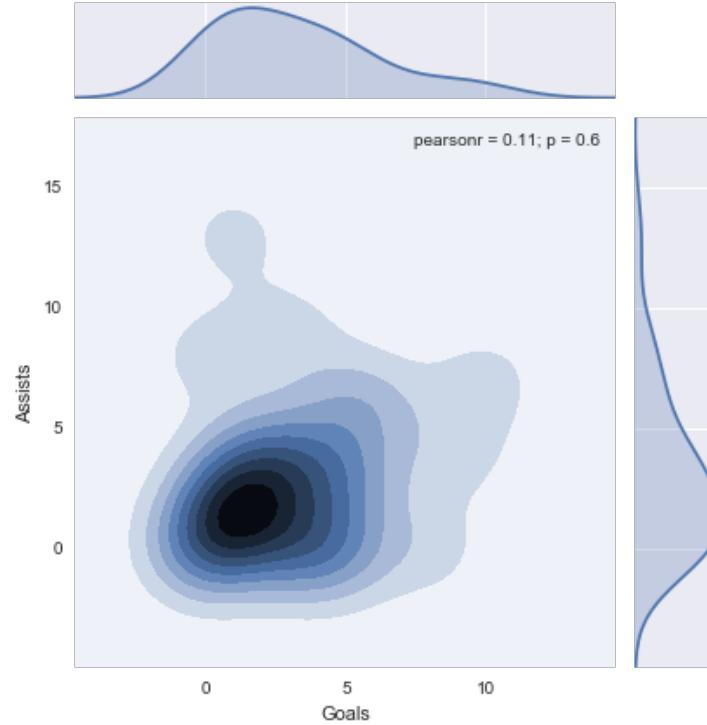


EXPLORING DATA

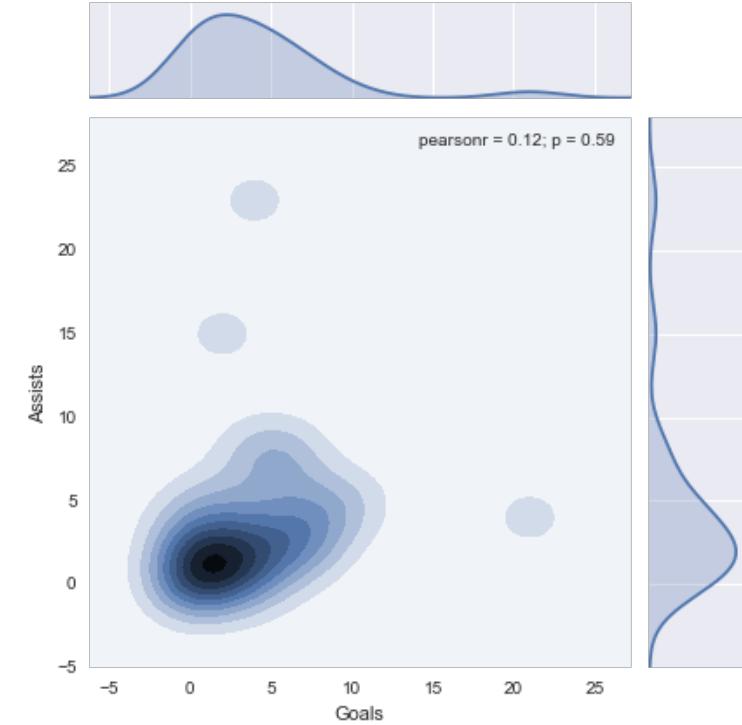
SF FURY



SEATTLE RIOT



DC SCANDAL



2015 CLUB CHAMPIONSHIPS