



Insightful Presentations on Analytics (IPA)

USF's SF Beer Week Data Science MeetUp



UNIVERSITY OF
SAN FRANCISCO

USF's Data Institute

- Facebook:
 - www.facebook.com/USFDatalnstitute/
- Weekly Seminar / MeetUp
- Upcoming Certificates!
 - SQL
 - Deep learning
 - Many more!
- Masters of Analytics Program!
 - Deadline 3/1 – Come talk to me for more information!

Standard Deviant

Taproom Releases at the Brewery (14th & Mission St)

Feb 11 th	Saturday	Barleywine
Feb 12 th	Sunday	Sassafras Smoked Rye Pale (collab w/Laughing Monk)
Feb 13 th	Monday	Peachwood Smoked Kolsch
Feb 14 th	Tuesday	Buffalo Trace Whiskey Barrel-Aged Altbier
Feb 14 th	Tuesday	Buffalo Trace Whiskey Barrel-Aged Porter

Events at Standard Deviant Brewery (14th & Mission St)

Feb 13 th	Monday	Beer + Data Science with USF Data Institute
Feb 14 th	Tuesday	Valentine's Chocolate pairing with Sixth Course
Feb 15 th	Wednesday	4-player Pacman Tournament
Feb 16 th	Thursday	Hops for Housing

Today's Talks

- Nathaniel Stevens – Professor of Statistics
 - Saison
- James Wilson – Professor of Mathematics
- Zackary Burns – Professor of Behavior
 - 3 Floyd's Zombie Dust

Before we continue..

- Beer and Analytics go way back!



Like all good Bay Area stories

- This one begins with an IPO
- In 1886 65% of Guinness was sold to the public for 6 million pounds, which was used to fund more “scientific brewing”

Hired the best and brightest

- New graduates from Oxford and Cambridge
- “Life was like an extension of college”
- Including Gossett



Barley

- Important ingredient for Guinness
- Using the IPO \$\$\$, set up an experiment center to find “best”



Problem

- Small sample size and unknown variance, so Central Limit Theorem doesn't apply!
- Estimates a distribution and then publishes it.
- Under the name “student t”... t-test!



Moral of the story

- Beer and Analytics are a *great* match.