

Charges Alleging Sex-Based Harassment

(Charges filed with EEOC)*

This does not include charges filed with state or local Fair Employment Practices Agencies

Monthly Average 2017
1036

n
12

Lower Conf: 967.730309

Upper Conf: 1208.10302

2018	
Month	No. of Complaints
Jan	1343
Feb	1001
Mar	946
Apr	762
May	1061
Jun	1177
Jul	994
Aug	1180
Sep	1018
Oct	945
Nov	1068
Dec	1560

Sample Mean
1087.916667

Ho: $\mu =$ 1036

Ha: $\mu <$ 1036

Sample StDev
207.4776914

test stat. 0.8668142

p-value 0.79772225

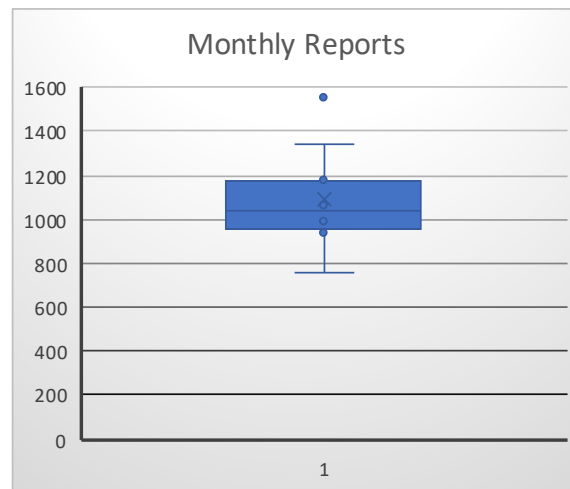
dof
11

α 0.05

t*
2.006662758

or 2.006662758

Conclusion
Fail to Reject Ho



*Based on data from https://www.eeoc.gov/eeoc/statistics/enforcement/sexual_harassment_new.cfm

1990s Player 1990s BA (Batting Average)

George Brett	0.329
Rickey Henderson	0.325
Rafael Palmeiro	0.319
Alan Trammell	0.304
Wage Boggs	0.302
Edgar Martinez	0.302
Ken Griffier Jr	0.300
Fred McGiff	0.300
Chris James	0.299
Kirby Puckett	0.298
Mike Greenwell	0.297
Ellis Burks	0.296
Julio Franco	0.296
Brian Harper	0.294
Gary Sheffield	0.294
Brook Jacoby	0.293
Dave Parker	0.289
Jody Reed	0.289
Kent Hrbek	0.287
Carlos Quintana	0.287
Carlton Fisk	0.285
Lance Johnson	0.285
Roberto Kelly	0.285
Alvin Davis	0.283
Jim Eisenreich	0.280
Ruben Sierra	0.280
Ozzie Guillen	0.279
Cecil Fielder	0.277
Tony Fernandez	0.276
B.J. Surhoff	0.276
Dan Gladden	0.275
Kevin Seltzer	0.275
Jose Canseco	0.274
Kelly Gruber	0.274
Ivan Calderon	0.273

2000s Player 2000s BA (Batting Average)

Nomar Garciaparra	0.372
Todd Helton	0.372
Moises Alou	0.355
Darin Erstad	0.355
Manny Ramirez	0.351
Vladimir Guerrero	0.345
Carlos Delgado	0.344
Derek Jeter	0.339
Jeffrey Hammonds	0.335
Luis Castillo	0.334
Jeff Kent	0.334
David Segui	0.334
Jason Giambi	0.333
Mike Sweeney	0.333
Jose Vidro	0.330
Frank Thomas	0.328
Johnny Damon	0.327
Jeff Cirillo	0.326
Gary Sheffield	0.325
Edgardo Alfonzo	0.324
Edgar Martinez	0.324
Mike Piazza	0.324
Jermaine Dye	0.321
Travis Fryman	0.321
Jason Kendall	0.320
Sammy Sosa	0.320
Will Clark	0.319
Shannon Stewart	0.319
Bobby Abreu	0.316
Alex Rodriguez	0.316
Sean Casey	0.315
Brian Giles	0.315
Magglio Ordonez	0.315
Richard Hidalgo	0.314
Luis Gonzalez	0.311
Chipper Jones	0.311
Roberto Alomar	0.310
Jeff Bagwell	0.310
Bernie Williams	0.307

1990s Players	2000s Players
n	n
35	39
Average	Average
0.291	0.328
StDev	StDev
0.014177625	0.016092093

dof
34

t*
2.562284905

Avg Difference
0.038

StDev
0.003518932

Lower Conf: 0.02852
Upper Conf: 0.046553

Ho: $\mu_1 - \mu_2 = 0$
Ha: $\mu_1 - \mu_2 > 0$

α 0.01

test statistic 10.6669467
p-value 1.0882E-12

Conclusion
Reject Ho

t-Test: Two-Sample Assuming Unequal Variances

	2000s BA (Batting Average)	1990s BA (Batting Average)
Mean	0.328307692	0.290771429
Variance	0.000258955	0.000201005
Observations	39	35
Hypothesized Mean Difference	0	
df	0	72
t Stat	10.66694666	
P(T<=t) one-tail	8.97949E-17	
t Critical one-tail	1.910892334	
P(T<=t) two-tail	1.7959E-16	
t Critical two-tail	2.213947508	

dof: 72
t* (dof 72) 2.492150249

*Data taken from <https://www.baseball-reference.com/>

