

What Have I Gotten Myself Into

Gregory Zajac
Biostatistics 866
April 18, 2017

About Me

- Beginnings
 - Tinkering, building, solving puzzles
 - Self-taught Q-Basic in 6th grade
- Mizzou 2009-2013
 - Journalism 2009-2010
 - Statistics 2011-2013
- Michigan 2013-????
 - Programming → Stat Gen

File
Edit
View
Search
Run
Debug
Options
Help
Untitled

Welcome to MS-DOS QBasic
Copyright (C) Microsoft Corporation, 1987-1991.
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< Press Enter to see the Survival Guide >
< Press ESC to clear this dialog box >

The student voice of MU since 1955
the maneater
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theman eater.com

UM system spokeswoman: Budget cuts 'all speculation'

WES DUPLANTIER
News Editor

Reports that the UM system's budget could be cut by as much as \$500 million — 10 percent of its total budget — next year are speculation, a system spokeswoman said Thursday evening.

UM system spokeswoman Jennifer Hollingshead said the university had not made any formal announcements about its budget projections or the possibility of any tuition increases for fiscal year 2012.

She confirmed UM system President Gary Forsee spoke Thursday morning at the Governor's Conference on Economic Development in Kansas City and that Forsee said the system could see cuts in the next fiscal year.

Hollingshead also said Forsee's remarks were not official predictions of the system's fiscal condition.

"It's all speculation at this point," Hollingshead said. "I think we've known that there will be reductions, but we're not even in the legislative session, let alone the end of the session when budgets are set."

The state legislature adjourned its regular session in May after approving a fiscal year 2011 budget that cut higher education spending by \$50 million.

That amount is the maximum allowed to maintain an agreement Gov. Jay Nixon made with schools in 2007.

That agreement froze tuition at public universities at 2007 levels when the legislature agreed not to cut higher education spending by more than 5.2 percent.

State Sen. Kurt Scharler, [see CUTS, page 6](#)

Faculty see results of UM system survey

STEPHANIE EBBS
Reporter

Department of Plant Sciences professor Bill Wurbold said he was satisfied with the survey.

As a faculty member, everything's kind of data-driven, and you like to be asked," Wurbold said.

Wurbold said he couldn't remember faculty being asked about their benefits in the 20 years he has been at MU, which was the motivation for the survey.

Betsy Rodriguez, UM system vice president of Human Resources, presented the survey, which asked faculty for feedback on topics such as the university's retirement plan and offering domestic partner benefits.

[see SURVEY, page 6](#)

Police chief meets with citizens group

SAM LAUSE/SENIOR STAFF PHOTOGRAPHER

Columbia Police Department Chief Ken Burton meets with CoMoCitizens on Thursday at the home of Columbia residents Sid and Joan Sullivan. Burton answered citizens' questions on subjects such as higher accountability of officers and reports of increases in violent crimes.

GREGORY ZAJAC
Senior Staff Writer

Columbia Police Department Chief Ken Burton discussed reasons for increases in violent crime and upheld an officer's actions in the controversial arrest of David Riley at a meeting with CoMoCitizens on Thursday.

CoMoCitizens formed in response to community outrage over a SWAT raid conducted in February in which police officers were not enough resources to make the campus more family-friendly.

They included people who couldn't find child-care during meetings and a student unable to find a tampon machine in a certain part of campus.

Symonds said the situation struck her as odd, and as a result, she decided to intervene with GPC and MSA to change them.

"I decided to convene a meeting between the president of GSA (Graduate Student Association), the president of MAFits and GPC's student representative to the Status of Women's Committee to see what other issues existed that affected students as parents," Symonds said in an e-mail.

"This committee grew between the first and second meeting to include MSA and a fellow GPC officer who was also a student and a parent."

Symonds said the committee [see FAMILY, page 6](#)

MSA, GPC aim to foster family-friendly environment at MU

ALLISON PRANG
Staff Writer

The MU Family Friendly Task Force held its first meeting Sept. 8.

Missouri Students Association President Tim Niece said starting the task force was a joint resolution between MSA and the Graduate Professional Council.

The task force was the result of legislation MSA and GPC passed last spring semester.

Former GPC president Sarah Symonds said she became aware of different situations last year where there were not enough resources to make the campus more family-friendly.

They included people who couldn't find child-care during meetings and a student unable to find a tampon machine in a certain part of campus.

Niece said the goal of the task force is not only to help student-parents, but also to make the campus more accessible for other non-traditional members of the MU community, such as international students and disabled students.

"The goal of the organization at the request of the Faculty Council and the chancellor is to review the policies in a wide range of areas that make Mizzou a family-friendly place to study and to work and to make recommendations regarding existing policies, new or modifying them."

Symonds said the committee [see FAMILY, page 6](#)

Athlete Peterson munches on strawberries during snack time Monday at the Student Parent Services support center. The center is one of the options for student-parents on campus to help them balance their lives as students and parents.

KATIE CHORNOUS/STAFF EDITOR

Police chief meets with citizens group

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On the maneater.com

It's Litter to the Maneater's Word on the Street podcast for student reaction to MU's campaign against illegal fire sharing.

It follows our live blog of Missouri football's game Saturday.

Taking on the Aztecs

After a definitive win against McNeese state, Missouri football prepares to host San Diego State in its second home game of the season.

[Sports, page 15](#)

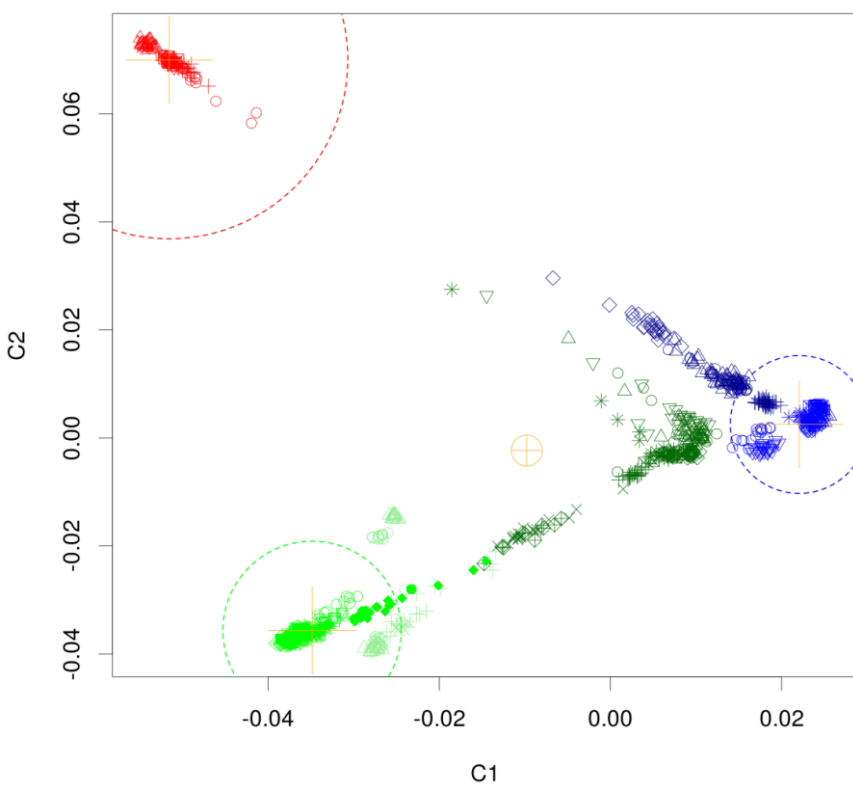
Comedy Wars

The Maneater takes a closer look at the students of Comedy Wars as the event begins its 12th year at MU.

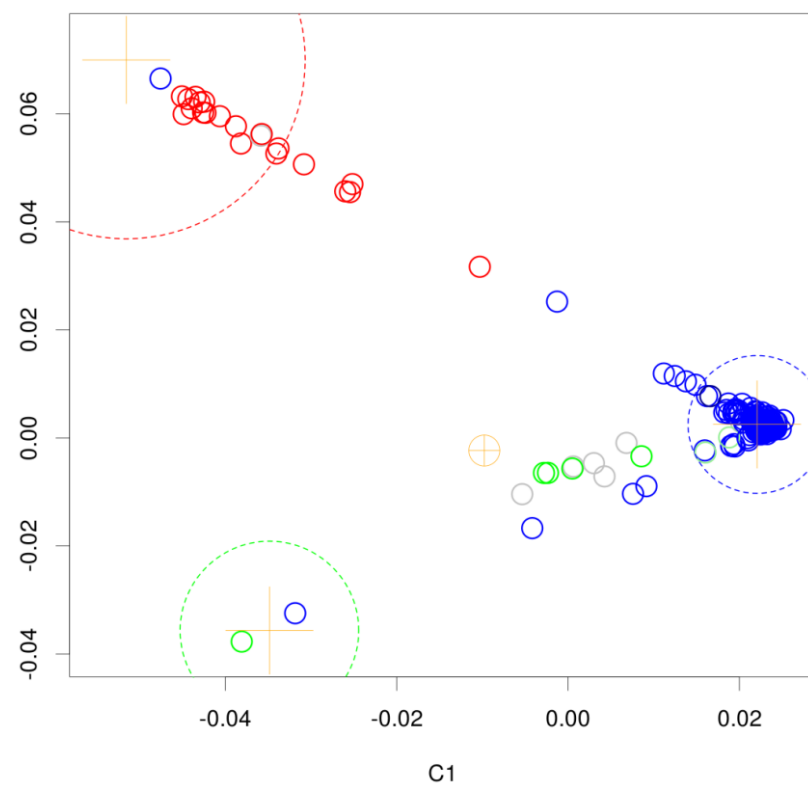
[News, page 5](#)

Michigan Genomics Initiative

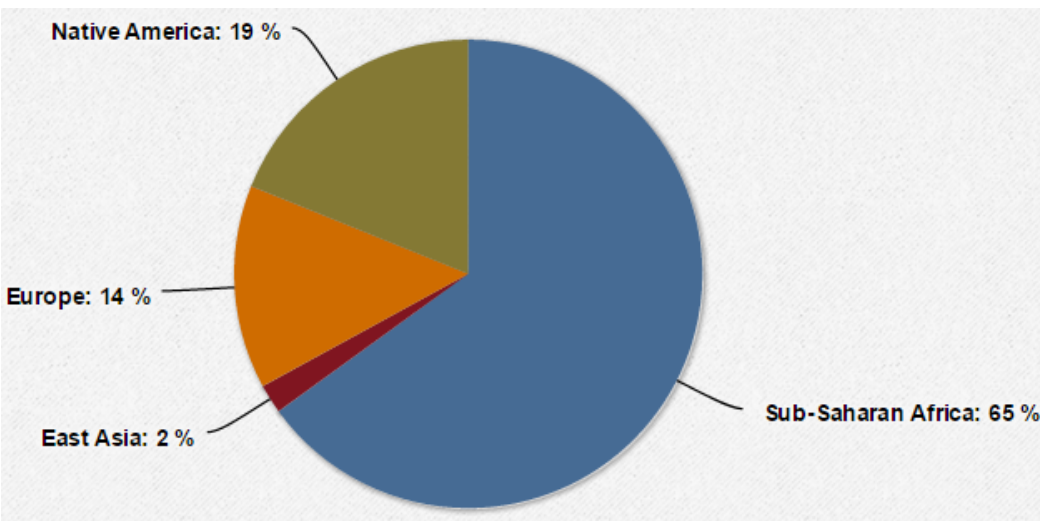
HGDP sample ancestry - Components 1 & 2



Illumina sample ancestry - Components 1 & 2

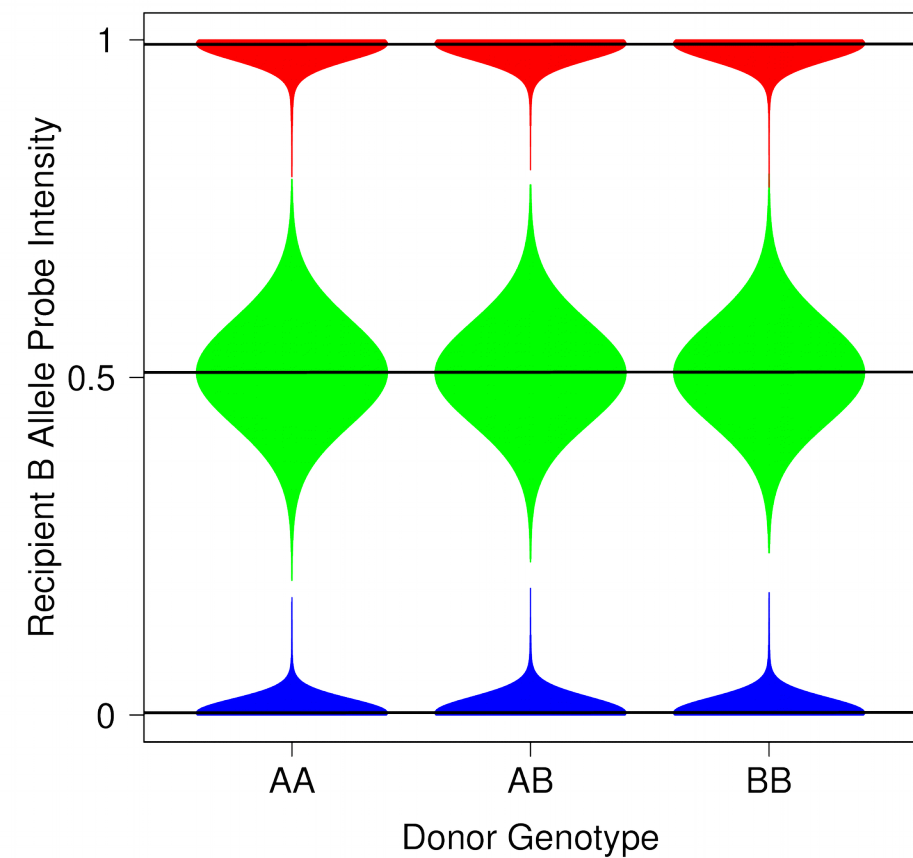


Genes for Good

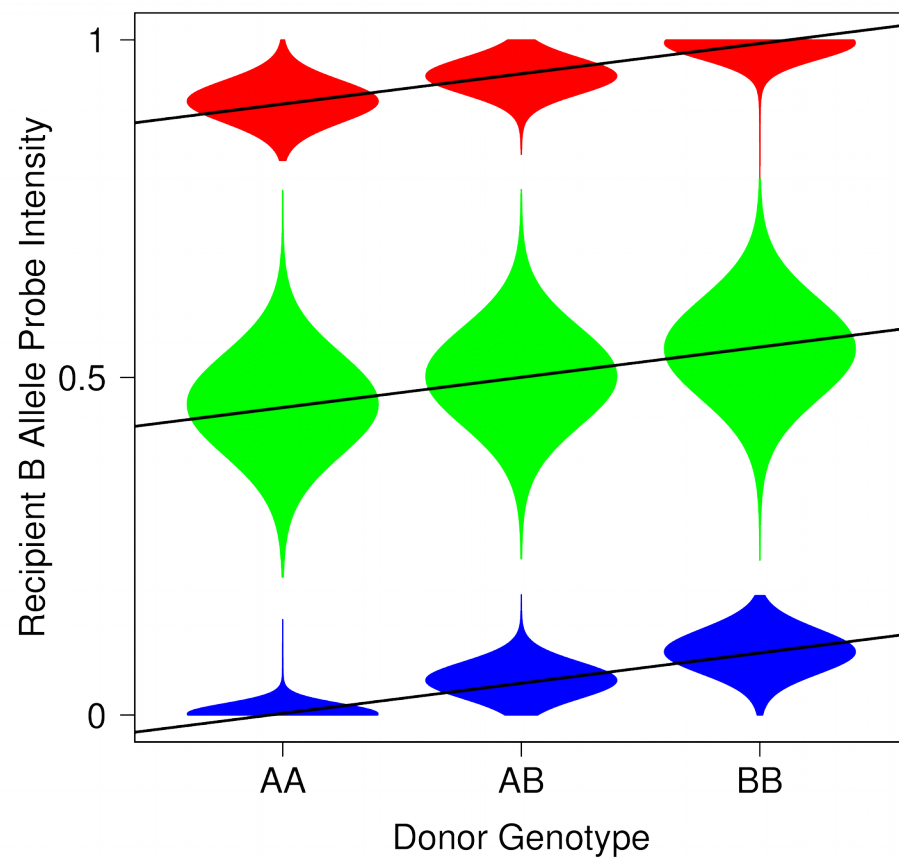


VICES

Uncontaminated YRI Sample



10% Contaminated CEU Sample



Imputation for Haplotype Association

- NPL Scores from MaCH

$$NPL = \sum \frac{\text{\# of times copied from cases}}{\text{rounds} \times \text{states}}$$

$$\text{logit}(P(i \text{ is case})) = \beta_0 + \beta_1 NPL_i + \beta_2 \overline{NPL}$$

$$\text{logit}(P(i \text{ is case})) = \beta_0 + \beta_1 G_i + \beta_2 NPL_i + \beta_3 \overline{NPL}$$

B866 Highlights

- Critically read papers
- Control for local similarity to infer association
- Minimal set of markers to explain heritability?

The Future

- Research Interests
 - Statistical methods
 - Inferring population history
 - Genomic medicine
- Academy or Industry?

Thank you!

