HAVERFORD COLLEGE

Karen Masters <klmasters@haverford.edu>

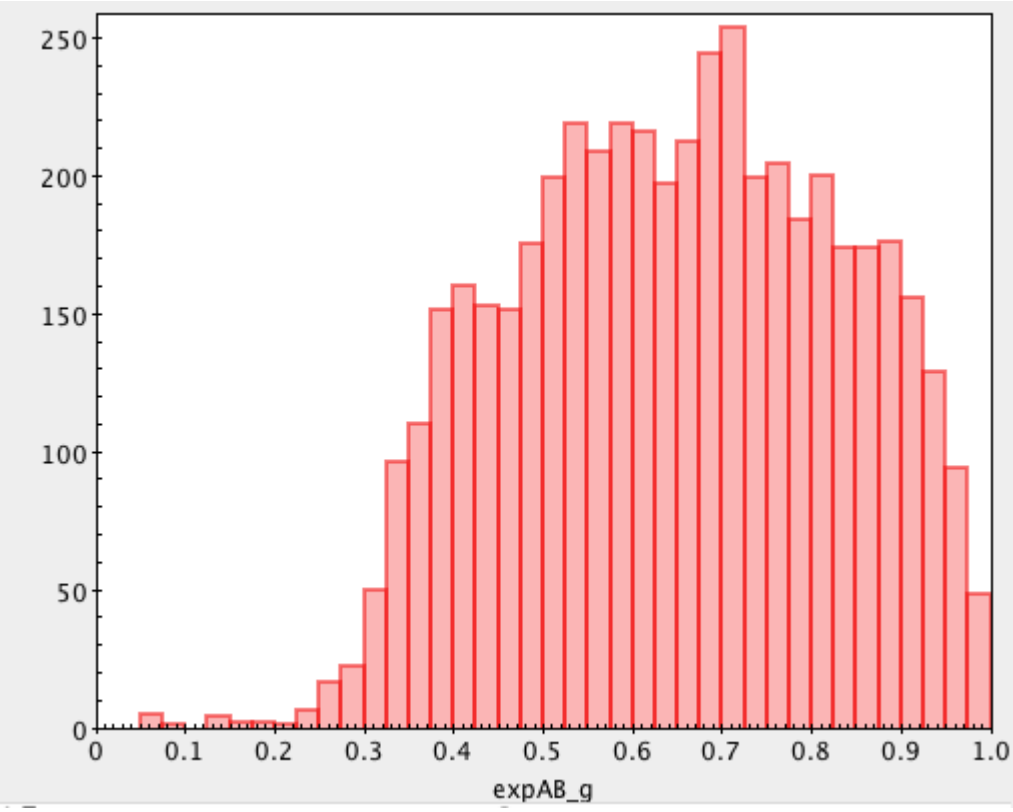
MNRAS: MN-18-2966-MJ

Rebecca Smethurst <Rebecca.Smethurst@nottingham.ac.uk> Wed, Sep 5, 2018 at 1:51 PM
To: Karen Masters <klmasters@haverford.edu>

Hi Karen,

Plots attached for bins with spacing 0.2 exp(b/a) - there's some small number statistics in some of the p_bar > 0.5 bins but it doesn't look like inclination affects the result at all to me.

Of the 4830 galaxies in the original fits table in the GitHub repo - CasJobs returned 4814 matches with expAB_g estimates. However 2 of those were -9999 values, giving 4812 galaxies. This is what the distribution looks like, we're definitely skewed toward more face on things:



The bin edges in expAB_g were then chosen to give roughly equal numbers in each bin:

- 1595 for 0.0 < expAB_g < 0.56
- 1594 for 0.56 < expAB_g < 0.74
- 1623 for 0.74 < expAB_g < 1.0

I've reproduced each of the figures in these bins and attached them. Let me know if you want any different bins doing, the rolling median lines removing or perhaps redoing with exp(a/b) in a different band.

Cheers

Becky

Rebecca Smethurst

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Pixels, not paper.

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6 attachments

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