

ACE 5 ways (aka ACE to GCTA)

Twins, Sibs, and Pi Hat
Continuous or Binary Data



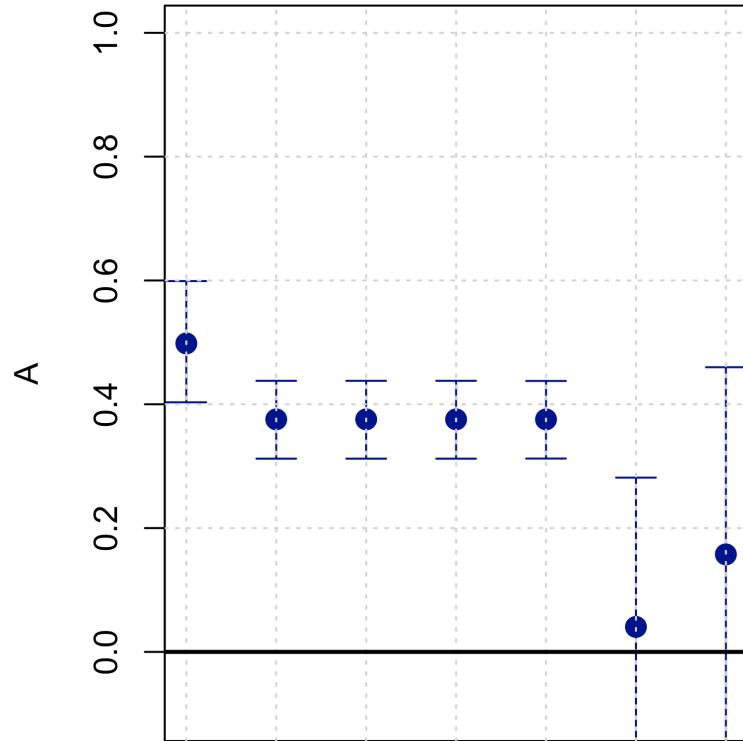
Katrina Grasby & Baptiste Couvy-Duchesne

ACE 5 ways timing

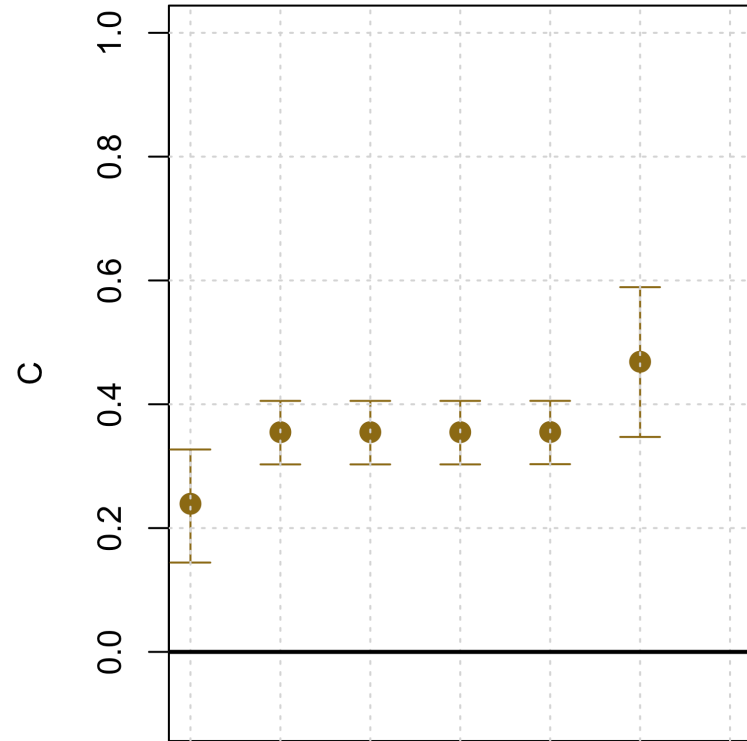


Model	Script	Timing
Introduction		5 Minutes
Traditional ACE Model	00_ACEvc_binary.R 00_ACEvc_contin.R	10 Minutes
ACE-Sibling Model • 2 equivalent specifications	01_ACEsib_binary.R 01_ACEsib_contin.R 02_ACEsib_alt_binary.R 02_ACEsib_alt_contin.R	10 Minutes
ACE-S with zygosity as a definition variable	03_ACEzygdef_binary.R 03_ACEzygdef_contin.R	10 Minutes
ACE-S with Pi Hat as a definition variable	04_ACEgrm_relatedness_binary.R 04_ACEgrm_relatedness_contin.R	10 Minutes
ACE-S with zygosity as a definition variable in DZ twins Only	05_ACE_GRM_relatednessDZonly_binary.R 05_ACE_GRM_relatednessDZonly_contin.R	10 Minutes
AE – unrelated (“GREML”)	06_AEgrm_unrelated_contin.R 06_AEgrm_unrelated_binary.R	10 minutes
Debrief and Q&A		10 Minutes

ACE 5 ways results - continuous

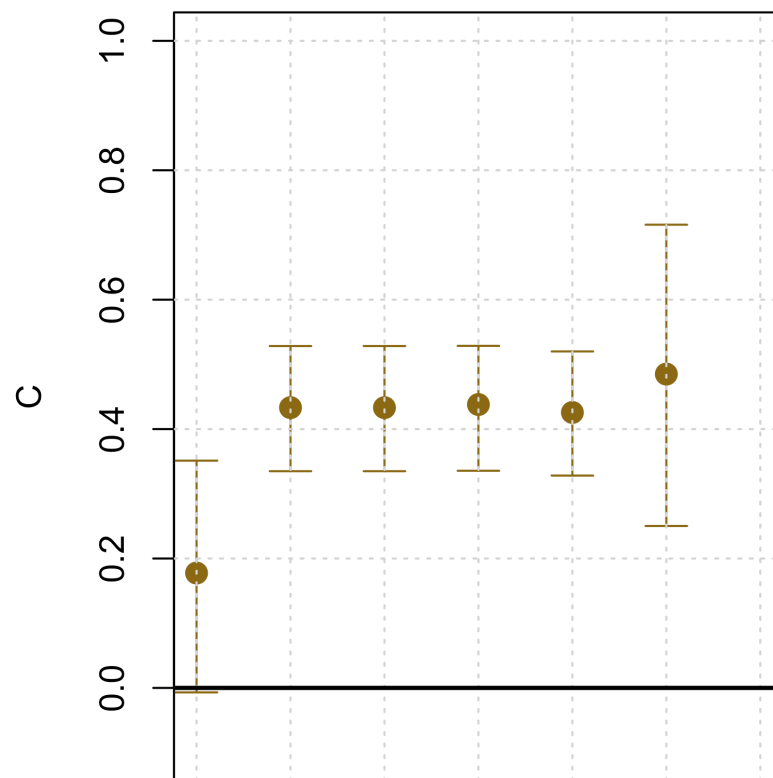
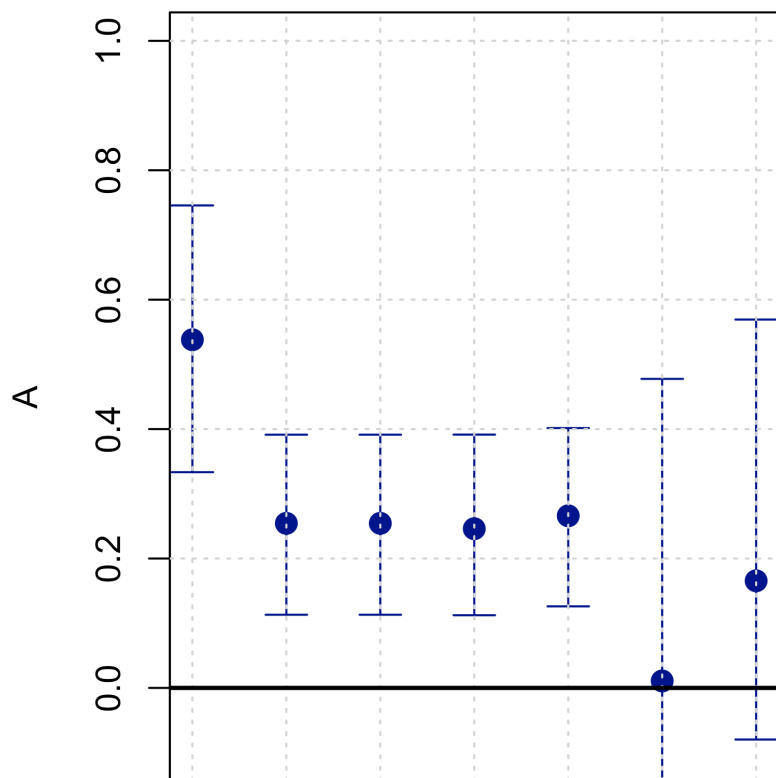


ACE twins
Twins and Sibs
Alternate twins and sibs
Zygosity as definition variable
Measured genetic relationship
DZ only
AE unrelated - GREML



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ACE 5 ways results - binary



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