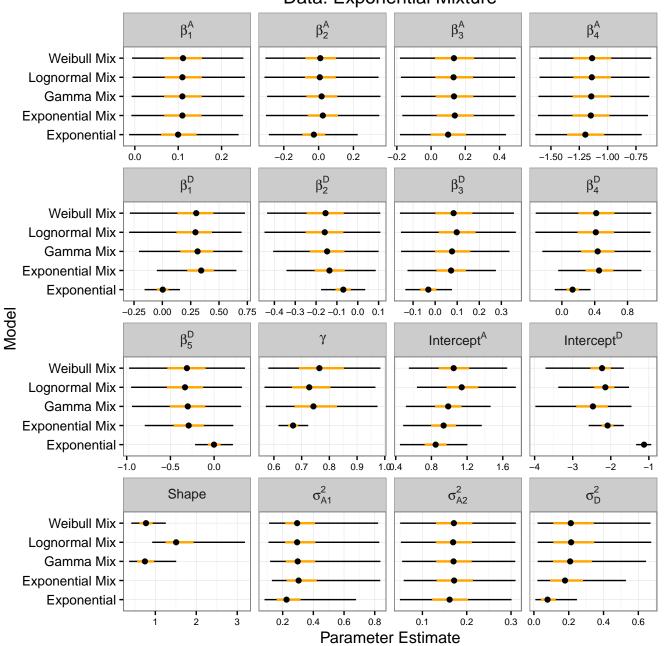


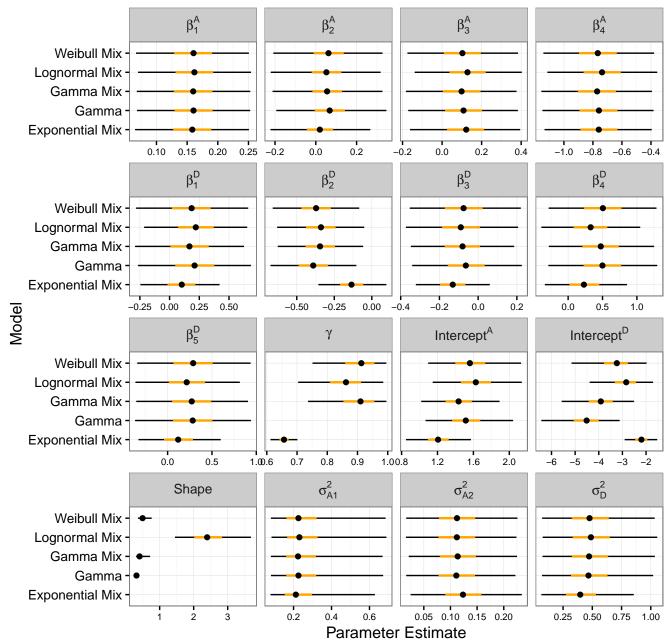
Data: Exponential Mixture



Data: Gamma Nonpeaked β_1^A β_4^{A} β_2^{A} β_3^A Gamma Mix -Gamma -0.1 0.2 -0.1 0.0 0.1 0.2-0.2 0.0 0.2 0.4 -1.6 -1.4 -1.2 -1.0 -0.8 β_1^{D} β_2^{D} β_3^{D} β_4^{D} Gamma Mix -Gamma --0.75 -0.50 -0.25 0.00 0.25 -0.2 0.0 0.2 0.4 -0.6 -0.2 0.0 -0.5 0.0 0.5 1.0 -0.4 β_5^D Intercept^A Intercept^D γ Gamma Mix -Gamma -0.8 0.9 0.8 0.7 2.0 -0.4 0.0 0.4 1.0 1.2 1.6 <u>-</u>6 -5 -4 σ_{A1}^2 σ_{A2}^2 $\sigma_D^2\,$ Shape Gamma Mix Gamma -0.40.00 0.05 0.10 0.15 0.20 0.25 0.8 0.0 0.2 0.3 0.5 0.4 0.6 0.1 1.0 Parameter Estimate

Data: Gamma Nonpeaked Mixture β_1^A β_2^{A} β_3^{A} β_4^{A} Gamma Mix -Gamma -0.10 0.15 0.20 0.25 0.0 0.1 0.2 0.3 0.4 0.5 -0.8 -0.6 -0.2 -0.4 β_1^{D} β_2^D β_3^{D} β_4^{D} Gamma Mix -Gamma -0.05 0.10 0.15 0.20-0.16 -0.12-0.08 -0.04 -0.20 -0.12-0.08 0.00 0.05 0.10 0.15 0.20 -0.16 β_5^D Intercept^A Intercept^D γ Gamma Mix -Gamma -0.05 0.10 0.15 0.20 0.250.980 0.985 0.990 0.995 1.0000.7 0.8 0.9 1.0 1.1 1.2 -1.1 -1.0 -0.9 -0.8 -0.7 -0.6 σ_{A1}^2 σ_{A2}^2 σ_{D}^2 Shape Gamma Mix -Gamma · 0.2 0.4 0.00 0.15 3.25 3.50 0.0 0.1 0.3 0.05 0.10 0.00 0.05 0.10 0.15 0.20 Parameter Estimate

Data: Gamma Peaked



Data: Gamma Peaked Mixture β_1^A β_2^{A} β_3^A Weibull Mix -Lognormal Mix -Gamma Mix -Gamma · Exponential Mix --0.05 0.00 0.05 0.10 -0.2 -0.1 0.0 0.2 0.0 0.2 0.4 -1.4 -1.2 -1.0 -0.8 β_1^D β_2^D β_4^D Weibull Mix -Lognormal Mix -Gamma Mix -Gamma · Exponential Mix -Model -0.2 0.0 0.2 0.4 -0.3 -0.2 -0.1 0.0 0.1 -0.3 -0.2 -0.1 0.0 0.1 -0.25 0.00 0.25 0.50 β_5^D Intercept^D Intercept^A γ Weibull Mix -Lognormal Mix -Gamma Mix -Gamma · Exponential Mix -0.0 0.2 0.4 0.6 0.65 0.70 0.75 0.80 0.85 1.5 2.0 2.5 -6 -2 1.0 σ_{A1}^2 σ_{A2}^2 Shape Weibull Mix -Lognormal Mix Gamma Mix -Gamma - •

0.1 0.2 0.3 0.4 0.5

2

Exponential Mix -

Parameter Estimate

0.10

0.15

0.20 0.0

0.2

0.3

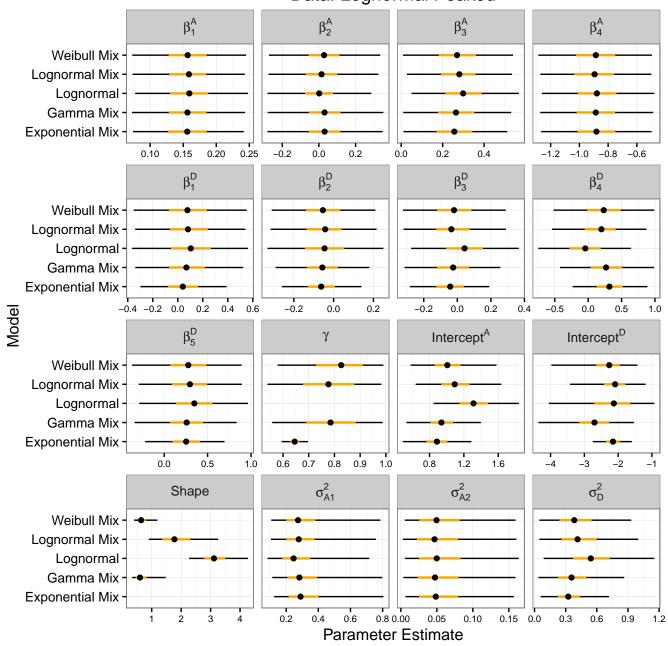
0.1

0.00 0.05

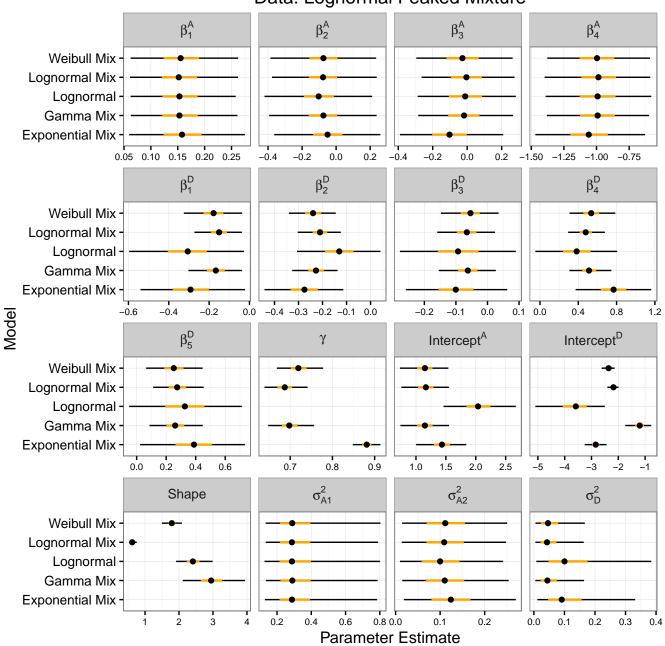
Data: Lognormal Nonpeaked β_1^{A} β_2^A β_3^{A} β_4^{A} Lognormal Mix -Lognormal -0.05 0.10 0.15 0.20 0.0 0.1 -0.1 0.0 0.1 0.2 0.3 0.4 -1.3 -1.1 -0.9 -0.7 β_3^{D} β_4^{D} β_1^{D} β_2^{D} Lognormal Mix -Lognormal -Model -0.250.00 0.25 -0.2 -0.1 0.0 0.1 0.2 0.3 -0.4 -0.2 0.0 0.2 0.0 0.4 0.8 1.2 β_5^D Intercept^D Intercept^A γ Lognormal Mix -Lognormal -0.8 0.5 0.7 -0.5 0.0 0.9 1.0 1.0 1.2 1.4 1.6 1.8 -3.0 -2.5 -2.0 -1.5 -1.0 σ_{A1}^2 σ_{A2}^2 σ_D^2 Shape Lognormal Mix -Lognormal -2 4 0.0 0.2 0.03.00 0.05 0.15 0.20 0.25 1.00 3 0.1 0.50 0.75 Parameter Estimate

Data: Lognormal Nonpeaked Mixture β_1^{A} β_2^A β_3^A β_4^A Lognormal Mix -Lognormal -0.05 0.10 0.15 0.20 0.25 -0.2 -0.1 0.0 0.0 0.2 0.4 -1.0 -0.8 -0.6 -0.4 -0.2 β_1^{D} β_2^{D} β_3^D β_4^{D} Lognormal Mix -Lognormal -0.05 0.10 0.15 0.20 -0.09-0.06 -0.03 -0.18 -0.15 -0.12 -0.09 0.25 0.30 0.35 β_5^D Intercept^A Intercept^D γ Lognormal Mix -Lognormal -0.10 0.15 0.20 0.25 0.9925 0.9950 0.9975 1.0000 0.8 1.0 1.2 -2.10-2.05-2.00-1.95-1.90 σ_{A1}^2 σ_{A2}^2 σ_D^2 Shape Lognormal Mix -Lognormal -0.2 0.6 0.2 0.3 0.46 0.48 0.50 0.52 0.54 0.4 0.1 0.05 0.10 0.15 0.20 Parameter Estimate

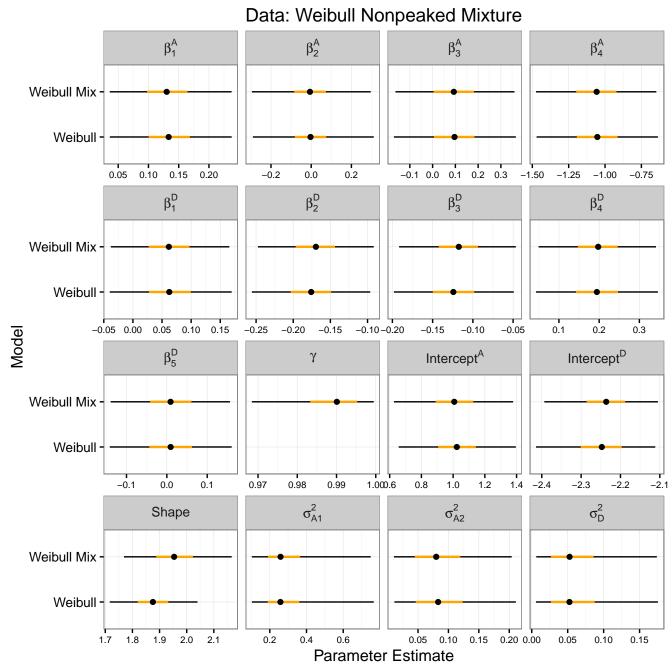
Data: Lognormal Peaked



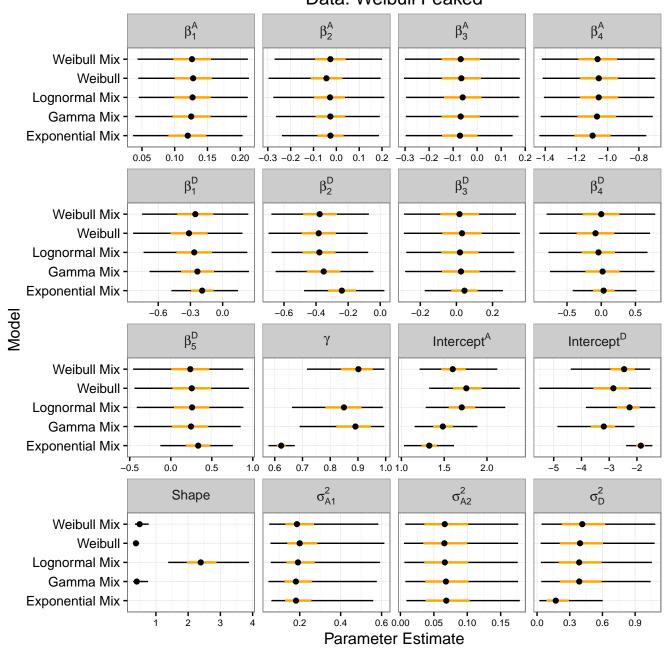
Data: Lognormal Peaked Mixture



Data: Weibull Nonpeaked β_1^{A} β_2^{A} β_3^{A} β_4^{A} Weibull Mix -Weibull -0.05 0.10 0.15 -0.2 -0.1 0.0 0.1 -0.2 0.0 0.2 0.4 -1.4 -1.2 -1.0 -0.8 -0.6 β_1^{D} β_2^{D} β_3^{D} β_4^{D} Weibull Mix - -Weibull - -Model -0.2 0.0 0.2 0.4 0.6-0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 -0.8 -0.4 0.0 0.4 β_5^{D} Intercept^A $Intercept^{\mathsf{D}}$ γ Weibull Mix - -Weibull -0.5 0.7 0.0 0.8 0.9 -0.5 1.0 1.0 1.5 2.0 2.5 <u>-</u>6 -5 -3 σ_{A1}^2 σ_{A2}^2 $\sigma_D^2\,$ Shape Weibull Mix Weibull - -0.0 0.4 0.00 0.05 0.10 0.15 0.20 0.5 0.7 0.9 0.0 0.2 0.3 0.2 0.1 0.4 0.6 Parameter Estimate



Data: Weibull Peaked



Data: Weibull Peaked Mixture β_1^A β_2^A β_3^A Weibull Mix -Weibull -Lognormal Mix -Gamma Mix -Exponential Mix -0.05 0.10 0.15 0.20 -0.2 0.0 0.2 0.4 -0.2 0.0 0.2 -1.8 -1.6 -1.4 -1.2 -1.0 -0.8 β_1^{D} β_4^D β_2^D β_3^D Weibull Mix -Weibull -Lognormal Mix -Gamma Mix -Exponential Mix -Model -0.2 0.0 0.2 -0.5 -0.4 -0.3 -0.2 -0.1 0.0 -0.3 -0.2 -0.1 0.0 0.1 -0.8 -0.4 0.0 0.4 β_5^D Intercept^D Intercept^A γ Weibull Mix -Weibull -Lognormal Mix -Gamma Mix · **Exponential Mix** 0.7 -0.3 0.0 0.3 0.6 0.9 8.0 0.9 1.0 1.5 2.0 2.5 3.0 -6 -2 σ_{A1}^2 σ_{A2}^2 Shape Weibull Mix -Weibull -Lognormal Mix Gamma Mix -Exponential Mix -

0.2

0.4

0.0

0.6

0.0

Parameter Estimate

0.1

0.2

0.2

0.4

0.6

0.0

0.5

1.0

1.5

2.0