

CSm - Fitted - Thinning factor 1 dnantiles Method 1.2 0.70 - bulk Relative ESS 9.0 8.0 9.0 tail Trace Plot 89.0 89.0 Rank Plot ම් 0.8 6.0 ESS Relative 2.0 0.67 Relative E 2.0 0.0 2.0 4:0 0.2 0.66 0.0 2000 500 1000 4000 4000 0 2000 0.2 0.6 8.0 8.0 1.0 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 dnantiles 1.0 0.76 Method 1.2 • bulk 0.74 **→** tail Trace Plot 0.72 Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 0.2 Relative 0.68 0.2 0.2 0.66 0.0 0.0 2000 500 1000 4000 0.2 0.6 8.0 1.0 8.0 1.0 2000 4000 0.2 0.6 0 0.0 0.4 0.4 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 100 0.78 dnantiles Method 0.76 1.2 • bulk Relative ESS 9.0 6.4 Tace Plot 0.72 0.70 • tail Rank Plot ESS for 9.0 8.0 Relative 0.68 0.2 500 1000 2000 2000 4000 4000 8.0 0.0 0.2 0.6 8.0 1.0 0 0 0.0 0.2 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 0.69 dnantiles 1.0 Method 1.2 • bulk Relative ESS 9.0 8.0 9.1 Trace Plot 76.0 76.0 tail Plot ESS for 8.0 0.6 Relative 0.66 0.2 0.2 0.0 + 0.0 0.0 1000 2000 500 4000 0.4 0.6 Quantile 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0 0.0 Rank (all chains) Total number of draws

CSm - Fitted - Thinning factor 1 dnantiles Method 0.68 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 99.0 49.0 Rank Plot <u>ව</u> 0.8 6.0 ESS Relative I 0.2 0.62 0.2 0.60 0.0 1000 2000 500 4000 0.6 8.0 2000 4000 0 1.0 0.2 0.6 8.0 0.2 0 0.0 0.4 Quantile Quantile Rank (all chains) Total number of draws CSm - Fitted - Thinning factor 10 0.71 dnantiles 1.0 Method 1.2 0.70 • bulk Relative ESS 9.0 6.1 9.0 6.1 **→** tail Trace Plot 9.0 89.0 Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 0.2 0.67 Relative I 0.2 0.66 0.0 0.0 1000 500 2000 4000 0.2 0.6 8.0 1.0 0.2 8.0 1.0 2000 4000 0.6 0.0 0 0 0.4 0.0 0.4 Quantile Rank (all chains) Quantile Total number of draws CSm - Fitted - Thinning factor 100 dnantiles Method 0.72 1.2 • bulk – tail Trace Plot 86.0 Rank Plot ESS for 9.0 8.0 Relative 2.0 4 0.660.0+ 0.0 0.0 500 1000 2000 8.0 4000 0.2 2000 4000 8.0 0.6 0.4 1.0 0 0.0 0.2 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 r small intervals 0.0 8.0 0.69 dnantiles 1.0 1.2 Trace Plot 76.0 76.0 Rank Plot Relative ESS for s 0 0 0 0 0 00 0 0 0 Method bulk 0.66 0.2 0.0 + 0.0 0.0 1000 2000 500 4000 0.4 0.6 Quantile 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0 0.0 Rank (all chains) Total number of draws

CSm - Fitted - Thinning factor 1 small intervals 0.1 0.8 0.690 duantiles 0.1 Method 1.2 0.685 • bulk Relative ESS 9.0 8.0 9.0 9.0 tail 0.680 0.675 0.670 Rank Plot <u>ම</u> 0.8 بة _{0.6} 8.0 ESS ESS 0.4 Relative 2.0 Relative I 0.665 0.2 0.660 0.0 1000 2000 500 4000 0.2 8.0 4000 2000 8.0 1.0 0.6 1.0 0.0 0.6 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 small intervals 0.1 8.0 8.0 0.69 dnantiles 1.2 Method 1.2 • bulk Relative ESS 9.0 8.0 9.1 🗕 tail Trace Plot 29.0 89.0 Rank Plot 8.0 <u>d</u> ا 0.6 فو 8.0 ESS ESS 0. 8elative 2.0 ative Relative I 0.2 0.66 0.0 1000 2000 500 4000 0.2 0.6 8.0 0.6 8.0 1.0 2000 4000 1.0 0.2 0.0 0.0 0 0.4 0.4 0 Quantile Quantile Rank (all chains) Total number of draws CSm - Fitted - Thinning factor 100 small intervals 0.1 8.0 8.0 dnantiles 1.0 Method 0.70 1.2 • bulk Relative ESS 9.0 0.0 9.0 0.1 • tail Trace Plot 89.0 Rank Plot 8.0 وَإ و 0.6 6.0 ESS ESS 0.4 0.67 0.4 0.2 E 0.2 0.66 Relat 500 1000 2000 4000 2000 4000 0.0 8.0 1.0 0.2 0.6 0.0 8.0 1.0 0.2 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 small intervals 0.0 0.0 8.0 0.76 dnantiles 1.0 1.2 0.74 Relative ESS 0.0 0.0 0.0 0.1 0.0 0.0 0.1 1 ace 0.72 ace 0.70 Rank Plot for ر 0.6 و آ 6.0 ESS Relative ESS f Relative F 0.68 Method bulk 0.66 0.2 tail 0.0 + 0.0 0.0 1000 2000 0.4 0.6 Quantile 0.4 0.6 Quantile 2000 500 0.2 1.0 0.2 8.0 1.0 4000 8.0 0.4 4000 0 0.4 Rank (all chains) Total number of draws

