**Chapter 17 – comments – Earvin Balderama**

16 There is a better way to cite the same author of multiple publications like (Robert and Casella, 2004; 2010) imo.

33 "Openbugs" is mentioned out of nowhere. Only winbugs and jags are mentioned everywhere else.

55 maybe remove "as well"?

93 "in" should be "is"

96 "high-dimensional"

107 "the draws from a Markov chain" should be something like "the draws form a Markov chain" or something similar.

109 either "for" or "|y" should be deleted.

123 "...traced back to the work of..."

145,146,etc. You can put ~ between "Eq." and "1.2" instead of a space inside the tex file to remedy the spacing between them being treated like an end of a sentence.

163,166 "...as the value for..."

167 d needs to be bold

Panel1.1 maybe some indentation for readability?

212,301,307,313,330,800 the first apostrophe in should be fixed to ` (instead of ')

213,214 delete "but" that's inside the parentheses, and change "and" to "but" after the parentheses.

Figure1.1 "Model" maybe not capitalized?

235 the equation can have larger outside parentheses and also a period at the end.

258 I don't know if it's customary not to begin a sentence with E.g. At least it still shouldn't be capitalized. But I still suggest changing to "...have bounded support: variance parameters live..."

259,535 Don't need two periods after "etc."

259 "...it is still sometimes..."

285 Step 3 is indented wrongly

285 equation array is confusing. Maybe use \begin{cases} and then maybe change "otherwise" to "with probability 1-min(r,1)"

288 "for" should be "in" or "As for" should be "Just like" or "Like in" or "Like"

293 ", sum," can be removed, or the whole sentence can be changed to "Thus, we exponentiate the sum of the logarithms to achieve..."

296 this sentence should be changed. maybe to something like "Unlike Gibbs sampling (where all draws....used), the MH algorithm discards a portion of the candidate values. This inherently makes MH sampling less efficient than..."

305,307 "as otherwise" should be changed?

323 "halfway"

360 ...we set \mu{\beta} and \sigma\_{\beta} "fixed"...

365,596 "analogously"

407 "how" can be deleted.

438 grammar: maybe change to "...aware that there 'are' more out there 'that' approximate..." or maybe something like "...aware that there are more algorithms out there for approximating posterior distributions than just Gibbs and MH."

445 i think the denominator in the equation for r needs to be in parentheses.

455 "simulate"

457 "Consider"

490 maybe better to break this up into two sentences. something like "...are mutually independent. For...

501 maybe use \begin{cases}

514 "Because"

566 should have a colon after "...model"?

578 "example"

652 "Where" shouldn't be capitalized

698 There shouldn't be a space inside the parentheses.

724,727,764 "coda" should be verbatim, unless this was on purpose.

879,880 question mark needed for these last two sentences?

930 "...bodies, etc...."

949 "...into R by loading..."

959 "disjoint"

1112 "time-efficiently"

1125 one of the two "other"s need to be deleted

1201 "...sampling for (e.g, for conjugate..."

1225 "situation"

1229 should be "introduced"?

1230 "process"

1233 a space is needed between "the" and "BUGS"

1236 "of" should be "or"

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