

Page	Typo	Repetition	Missing definition	Missing reference	Other	Details
Abstract	x					Used wrong adjective
1	x		x	x		Define locomotion; missing reference to IDDM; various typos
3	x					Missing section break and preposition errors
4	x					Missing commas
5	x					Missing commas
6	x					Too many commas
7			x			Missing Anglican definition; wrong preposition used; "prosthesis" used instead of 'orthosis'
8	x					Sciences' missing in EPSRC acronym
10	x					ICRA paper has now been accepted, remove 'Under review'; also missing prepositions
11	x					Accidental punctuation of sentence, top bullet point
14	x		x			Missing definition of EM algorithm; missing definition for bold Y; missing spaces for x and phi
15	x					Wrong symbol used for "<<"; mixing notation for observations (should be consistently Y throughout thesis, is currently not)
16	x					Misplaced commas
17	x		x	x		Have used wrong notation for VAE discussion; forgot to reference autodiff packages such as Adam
18	x					Misplaced commas
19	x					Used X again for observations; defined kNN before it is spelled out
20	x			x		Missing reference for GP definition; removed comma
21	x			x		Have used wrong definition for covariance function; not properly spelled out Gram matrix; should be 'magnum opus' not the reverse; forgot to include parameter in hyperparameter set in 2.11
22	x			x		Wrong source for GPy; italicize "complete graph" in the bottom line
23	x					Have used Murphy's notation for Gram matrix entry, used Rasmussen's instead
25	x					Forgot sentence which leads into the example at the bottom of the page
27	x			x		Missed preposition in the legend of figure 2.5 (marked in my copy); Forgot reference to Bishop in definition 2.5.1.
29					x	Put bottom half of second paragraph inside an 'Example' block as done with the others
30	x				x	SSM paragraph should appear before HMM/KF discussion since it more general
31	x					Forgot to define the model parameter spaces in the equations 2.26 and 2.27
32				x		Should add extra citation to (Kantas, 2015) paper on SI for non-linear and non-Gaussian SSMS
33	x					Forgot to name Smoothing paragraph with bold notation
34			x	x		Reference (Kantas, 2015) in parameter inference section; add also that there are frequentist methods for finding parameters
35					x	Too much space between last sentence and first equation 2.49
36				x	x	Missing examples of processes that do not evolve according to LGSSM dynamics; missing reference to Tom, Yura and Brooks' theses in section 2.6
37	x					Say 'problem at hand' at the end of the first paragraph, instead of 'domain'
38	x			x	x	Used wrong letter for observations again; wrap Goodman etc citation in brackets, currently wrong citation form
39					x	Put bottom half of second paragraph inside an 'Example' block as done with the others
40	x				x	Add particle filtering figure; it is very intuitive; defined MCMC before I spelled it out
41				x		Missing reference to appendix, where the algorithms actually are
42	x			x		Slight confusion regarding parameter values at the end of top paragraph, reference (Kantas, 2015) and particle MCMC paper
43	x			x		Italicise 'degeneracy problem'; missing reference to appendix A where the algorithms are; removed wrong prepositions
44	x		x	x		Need more background on lineage, currently too hard to understand without domain knowledge; missing references to appendix A
45	x	x		x	x	Spell out what the mild assumptions are in the top paragraph; repeated discussion on marginal likelihood in the last paragraph; reference 2.6.5 back to the BO section
47	x			x	x	Put Iris example in example block, to keep consistent with rest of thesis; need to talk more on exchangeability; removed superfluous prepositions
49	x					Removed word from middle paragraph

50		x	Double-check stick lengths, may be a scaling typo in stick lengths
53	x		Re-write second sentence in second paragraph to make grammatically correct; spell out I.I.D. here in third paragraph
54		x	Define "haplotype" and more on what phenomena we are actually considering
55	x		Repeated words in the last sentence on this page, remove them
58		x	There is an odd emphasis on mobile phones in this chapter, legacy from first project which was abandoned, removed references
59	x		Missing spacing in 'Contributions' paragraph
60	x		Having given the wrong year when reference (Stevens et al, 2006); removed words in the last paragraph
62	x	x	Last half of the second paragraph is repetition, remove; also missing section break in the second paragraph
63	x		Inconsistent notation for feature vectors; remove comma after "data" in the last paragraph
64		x	Wrap Olivieri et al (2012) in brackets
65	x		Wrong capitalisation of classification models in the top paragraph; remove unnecessary commas in the last paragraph
66	x	x	Should mention the utility in also using GPs for this task; also say "MOCAP system" not just "MOCAP"
67	x		Horizontal scale seems too long for this set of activities must be a typo in the axis, check; add the sagittal, frontal and transverse planes to figure 3.2
69	x	x	Reference figure 3.2 from table 3.1; should not say that KFs are "typically" used for online inference tasks, it is too general (bottom paragraph)
70	x		Say "EM" instead of "it" in the last line
71	x		Say "in much greater detail in (Bishop, 2006) - missing preposition at the end of middle paragraph
72	x	x	Add sizes and types of projection matrices; don't use American spelling, change generalized to generalised
74	x		Remove unnecessary commas in top paragraph
75	x	x	Make box plots on folds for figure; remove "multiclass" from last paragraph - is included in MLDA
76		x	Should add histogram of data to demonstrate that it is in fact Gaussian, to emphasise usage of MLDA
77	x	x	Sentence construction in the first sentence, first paragraph, should be re-done as it is odd, and the second paragraph should have its own section header
78	x		Missing preposition in middle paragraph
79	x		Say "For example" instead of "E.g." at start of sentence, is grammatically incorrect
80	x		Replace "our" with "us" in second sentence
81	x		Remove unnecessary comma in top paragraph; change capitalisation of "we" in middle paragraph
82	x		Change "true evolution" to "true state evolution" in figure legend
83	x	x	Last two sentences of motivation paragraph needs re-writing since it is grammatically incorrect, replace "iteration" with "model specification"
84	x		Wrong usage of prepositions in first sentence of section 4.1
85	x		Remove "they" after "in particular" at the top of first paragraph
86	x		Replace "if" with "is" in the last paragraph, second to last sentence
87	x	x	This figure should be at the end of this section; wrong usage of prepositions and spacings in top two sentences of first paragraph
88		x	Needs to a more natural lead into section 4.2 does currently not make sense
89		x	Reference to where we first derived the DPMM in the preliminary material
90	x		Multiple unnecessary commas in body of middle paragraph, remove
91		x	Reference the colour example in the top paragraph, as an example of common clustering indices
92		x	Say more on non-conjugate mixtures, it is very cool after all
95	x		Lots of wrong preposition usage in last paragraph; see my copy
96	x		Re-write the first sentence of the last paragraph, is currently grammatically incorrect
97		x	Move all text out of this page and keep only models on this page, looks odd otherwise
98	x	x	Re-write model for HDP-HSMM -currently too cluttered
100	x		y has been defined on wrong space, in the top line of the top paragraph
102	x		Use something else than 'd' for the PYP discount parameter, it is too confusing otherwise, with duration just having been discussed
103	x	x	Need to talk more on weak-limit samplers; remove unnecessary prepositions in middle paragraph

104	x	x	Missing preposition in middle paragraph; explain and define the NIW prior
105		x	Explain that heterogeneity means "diversity"
106	x		Change "to" for "of" after 'treatment'
107		x	Double-check that red columns in (d) have been properly normalised
108	x	x	Move vertical axes to the right-hand side, makes it visually more understandable; remove typo in figure legend, see my copy
109	x		Parametrise gamma prior with Greek letters before pluggin in numbers, too confusing otherwise; remove last sentence of middle paragraph
112	x		Last two sentences are grammatically incorrect of top paragraph
114	x		Vertical figure label, on bottom panel, should be expectation not probability of transition
117	x		Have used x instead of theta for the state in the bottom paragraph
118		x	Say HAR instead of "prosthesis design" in the sentence above section 4.4.6
120	x		Capitalise "i.i.d."
121		x	Add graphical model (with Kingma's parametrisation) and ELBO derivation in appendix for VAE -completeness is good
126	x		Single quote around "post-capture" is facing the wrong way
128	x		Need to flesh out section 4.4.6.6 to better explain what "interleave sampling" properly means
131		x	Reference the IDDM and the interaction primitives paper (probably the most relevant for intention inference)
133	x	x	Should explain that certainly the interaction triangle suggests DMP use since there is a task or 'target' inherent; remove misplaced prepositions in top paragraph
137	x		Change capitalisation of "Sequences" in the legend of figure
138	x		SI units should not be italicised in the figure
139	x		Remove "(above-knee)" in the last paragraph
140	x		Say "employ" instead of "adopt" in the last sentence
141	x	x	"Environmental" is misspelled in the middle paragraph; reference and explain hemiplegia in the middle paragraph
142	x		Remove "simulated" in the last paragraph
143	x		Wrap reference in legend with brackets, currently wrong type of citation
145	x		Remove "multivariate" from last paragraph; add 'exposition' after "richer" in paragraph above section 5.4.1
146	x		Change "Though" to "Consequently" in last sentence of third paragraph
147	x		Add comma after "complex patterns" and change capitalisation of "without" in the last sentence of the last paragraph
148	x		Remove entire sentence without brackets just before equation 5.6
150		x	Missing reference for the benchmark MOCAP dataset
151	x	x	Remove last sentence of last paragraph, wrap reference in legend with brackets for correct citation style
152		x	Reference Marc's 2015 MLSS lecture on GPs; add details on regression used for stride length
153	x		Wrap references in brackets in legend, wrong citation style
154	x		Wrap references in brackets in legend, wrong citation style; missing preposition in last sentence
157	x	x	Replace "proposition" with 'similar' and reference the Moore dataset in the legend
158	x	x	Reference inspiration for figure 5.12, and missing preposition in last paragraph, just before "robot"
159	x	x	Put last sentence on new page; re-write second sentence in example block, is currently wrong
160	x		Ankle angle should not be in the generalised coordinate definition, remove
161	x	x	Reference the Bowden cable system; wrap the reference in the legend
162		x	Should note in section 5.7.3 that one could potentially use DMPs here as well
163	x		The vertical axis should not be in the reference axis in figure 5.15
166	x	x	We do not use the knee manifold in (a) should note this or remove it; put the last sentence on a new page
167	x	x	Need to add metric which says that we mimic subject six's gait well; the vertical axis scale is wrong
170	x		Re-write first sentence of middle paragraph, is grammatically incorrect
171	x	x	Re-write legend so that prepositions are correct; move two lines under figure onto new page

172	x		Remove first word of second sentence in middle paragraph
174	x		Prepositions are wrong in last paragraph at the top, fix
177	x		Change Kalman filter to Kalman smoother
178	x		Change "latter" to 'former' in the top paragraph
179	x		Expand on what the reference trajectory comes from in the last paragraph
181	x		Change "training variables" to "response variables" in the last paragraph
184		x	Add reference to my NIPS 2017 time-series workshop paper in the Bayesian SI section