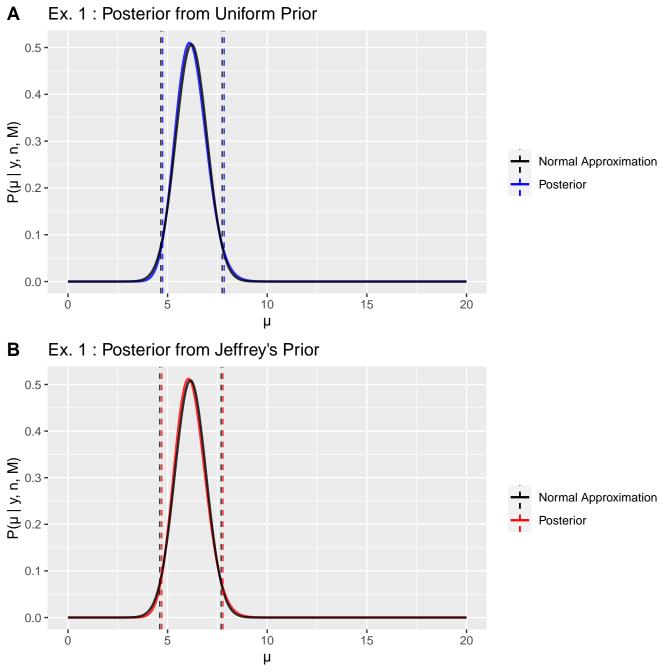
Ex. 1 : Posterior from Uniform Prior 0.5 -0.4 -P(µ | y, n, M) - 8.0 Mean + PDF 0.2 -95% C.I. 0.1 -0.0 -Ö 5 10 15 20 μ

Ex. 1 : Posterior from Jeffrey's Prior 0.5 -0.4 -P(µ | y, n, M) Mean + PDF 95% C.I. 0.2 -0.1 -0.0 -**5** Ö 10 15 20 μ



	Uniform P.	Nor. App. Uniform	Jeffrey's P.	Nor. App. Jeffrey's
Mean	6.2	6.2	6.15	6.15
Var	0.62	0.62	0.615	0.615
Median	6.17	6.2	6.12	6.15

4.71

7.78

4.61

7.69

4.66

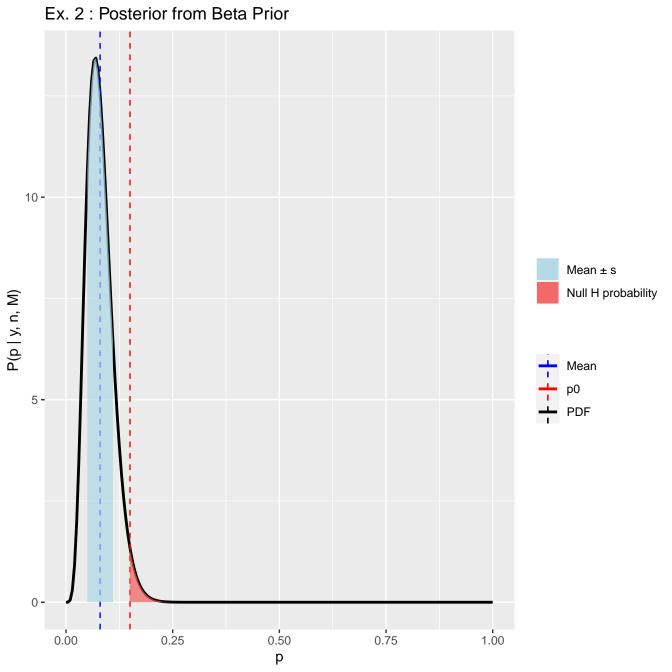
7.74

95% C.I. Left

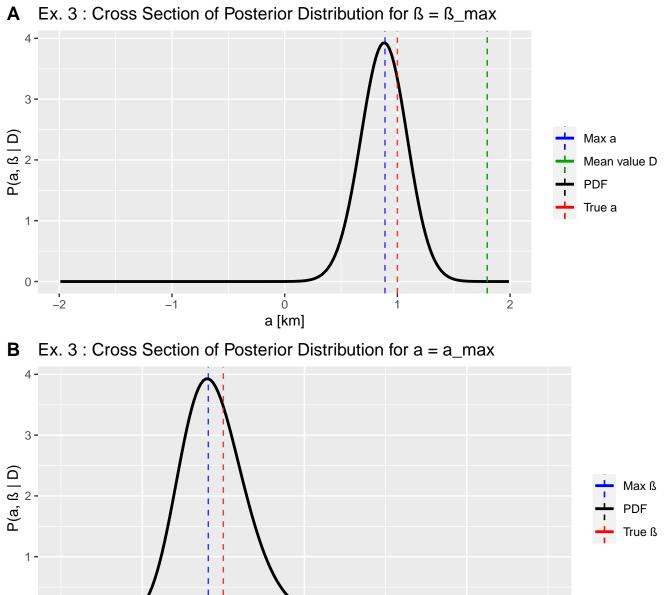
95% C.I. Right

4.75

7.84



Ex. 2 : Frequentist Test 0.4 -0.3 a = 5% 0.1 -0.0 -5.0 # test failures 0.0 2.5 7.5 10.0



ß [km]

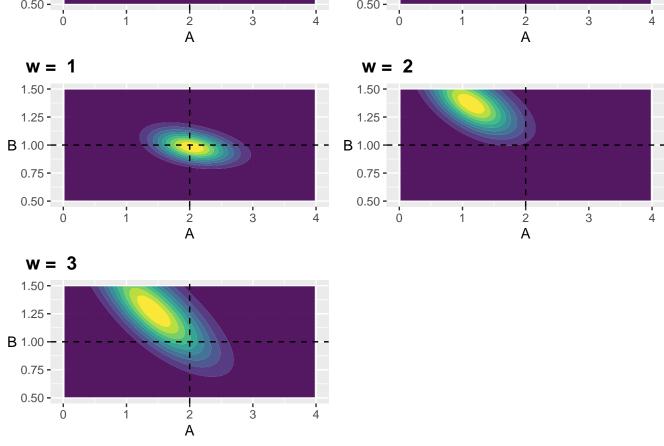
3

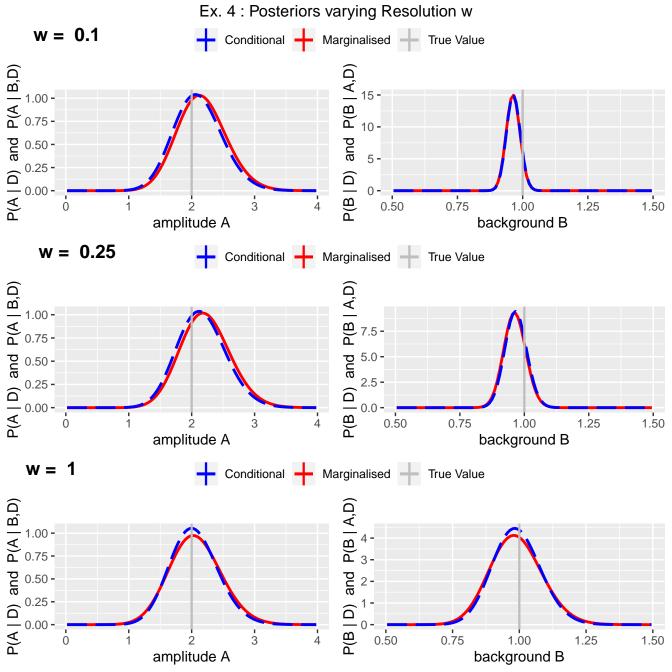
0 -

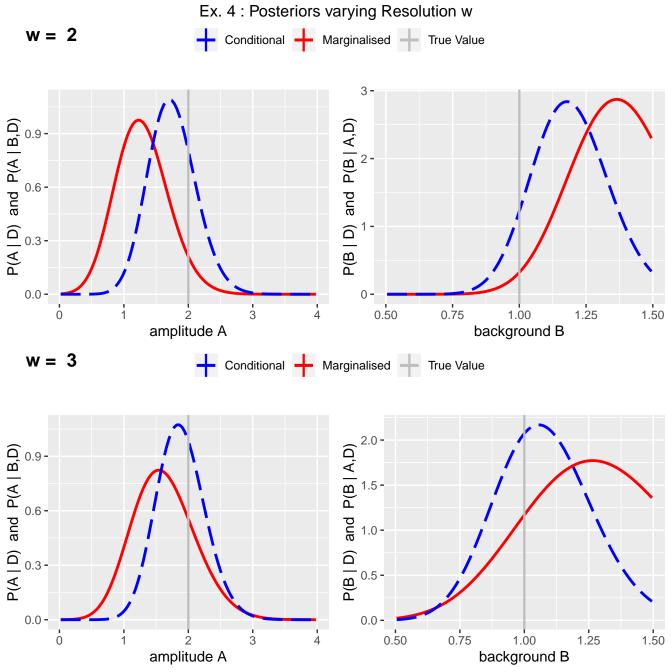
Ex. 3 : Posterior Distribution Contour Plot 3 -True values level (0.0, 0.5] (0.5, 1.0] ß [km] 2-(1.0, 1.5] (1.5, 2.0] (2.0, 2.5] (2.5, 3.0](3.0, 3.5](3.5, 4.0] 1 --1 2 -2

a [km]

Ex. 4: Posterior Distribution Contour Plot -I- True values (0.2, 0.3] (0.4, 0.5](0.0, 0.1](0.6, 0.7](0.8, 0.9]level (0.1, 0.2] (0.3, 0.4](0.5, 0.6](0.7, 0.8](0.9, 1.0]w = 0.1w = 0.251.50 -1.50 -1.25 -1.25 -B 1.00 -B 1.00 -0.75 -0.75 -0.50 -0.50 -3 i 3 Α Α w = 2w = 11.50 -1.50 -







	W	Mean A	Std A	Mean B	Std B	COV AB	KNO AB
1	0.1	2.163	0.964	0.389	0.027	-0.001	-0.112
2	0.25	2.219	0.964	0.393	0.043	-0.003	-0.175

0.097

0.13

0.205

-0.015

-0.026

-0.064

-0.376

-0.481

-0.646

0.411

0.41

0.484

0.989

1.299

1.174

2.061

1.284

1.626

3 1

4

5

2

3

Ex. 4: Posterior Distribution Contour Plot -!- True values (0.2, 0.3](0.4, 0.5](0.0, 0.1](0.6, 0.7](0.8, 0.9]level (0.1, 0.2](0.3, 0.4](0.7, 0.8](0.5, 0.6](0.9, 1.0]R = 0.071R = 0.3761.50 -1.50 -1.25 -1.25 -**B** 1.00 -B 1.00 -0.75 -0.75 -0.50 -0.50 -2 3 i 3 2 R = 0.909R = 21.50 -1.50 -1.25 -1.25 -**B** 1.00 -B 1.00 -0.75 -0.75 -0.50 -0.50 -3 2 3 R = 3.438R = 5.8331.50 -1.50 -1.25 -1.25 -**B** 1.00 -**B** 1.00 -0.75 -0.75 -

0.50 -

2

Α

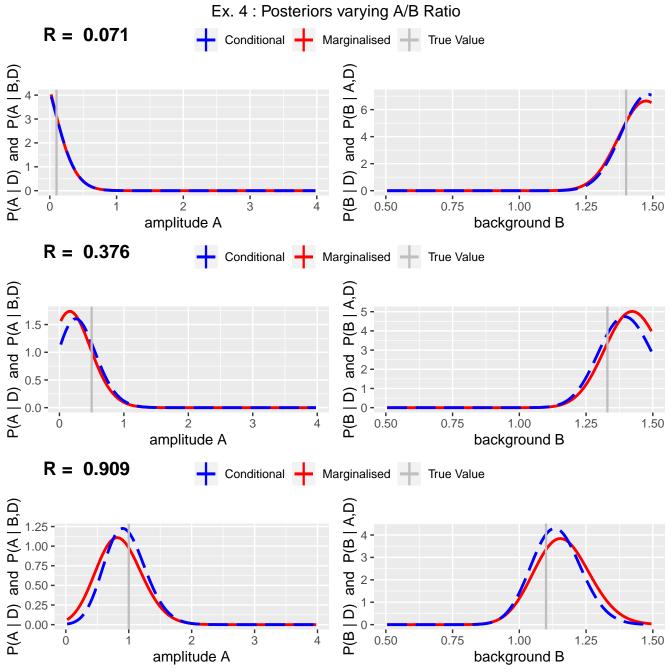
3

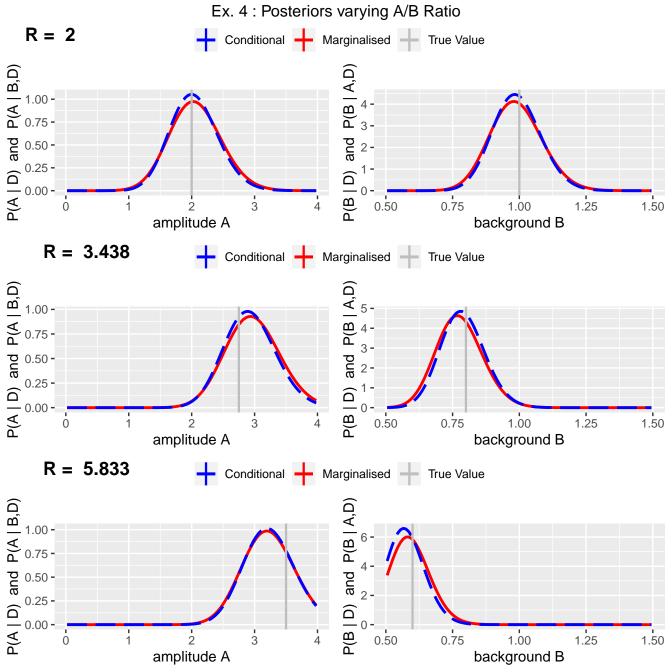
0.50 -

2

Α

3





1	0.071	0.1	0.189	0.162	1.4	1.411	0.064	-0.001	-0.14
2	0.376	0.5	0.341	0.242	1.33	1.384	0.076	-0.005	-0.253
3	0.909	1	0.86	0.358	1.1	1.161	0.103	-0.016	-0.434
4	2	2	2.061	0.411	1	0.989	0.097	-0.015	-0.376

8.0

0.6

0.777

0.605

-0.012

-0.006

0.086

0.065

-0.322

-0.235

5 3.438

6 5.833

2.75

3.5

2.957

3.192

0.417

0.381

Ratio True A Mean A Std A True B Mean B Std B Cov AB Rho AB