

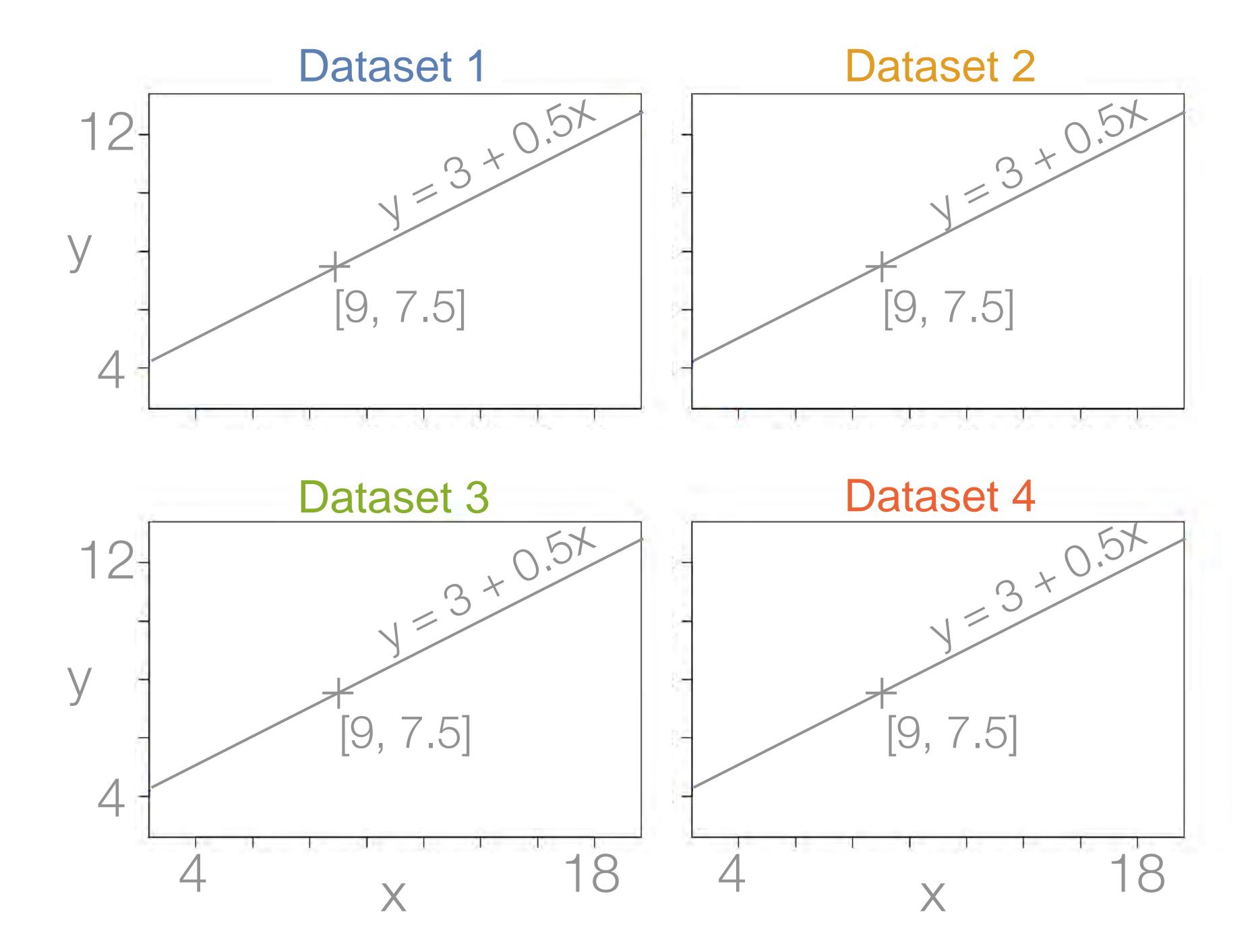
7 Guiding Principles of Technical Figure Design

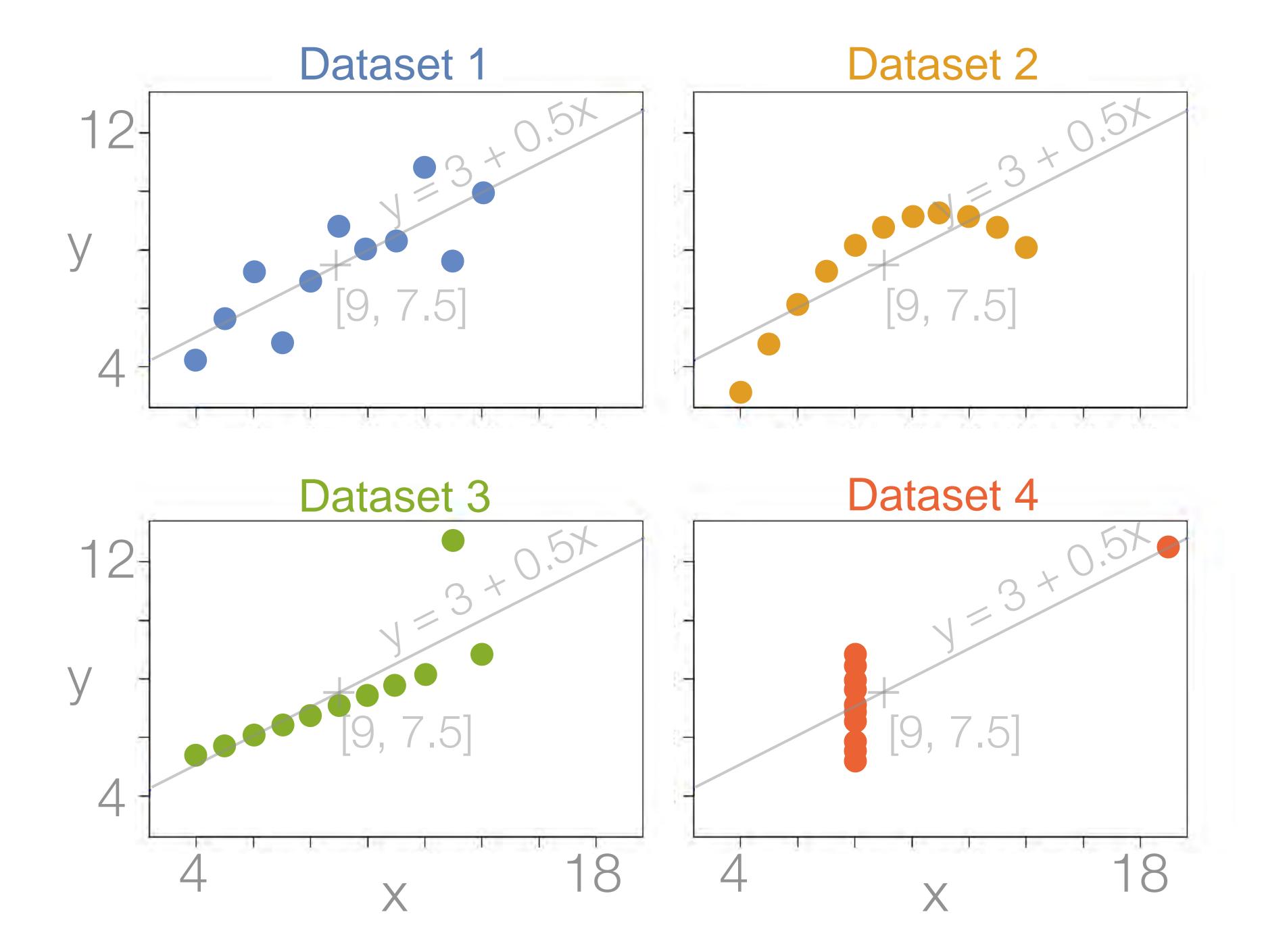


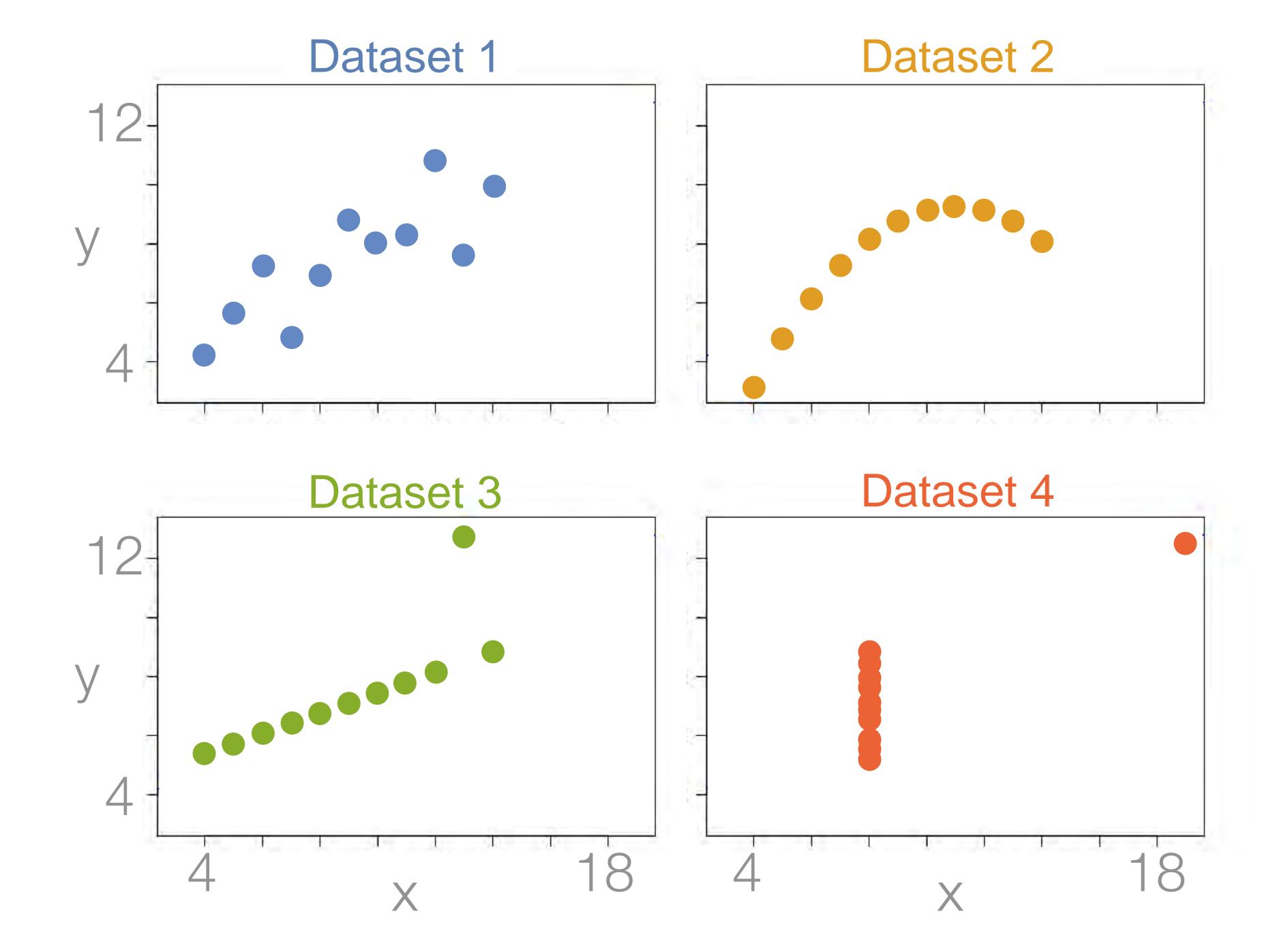


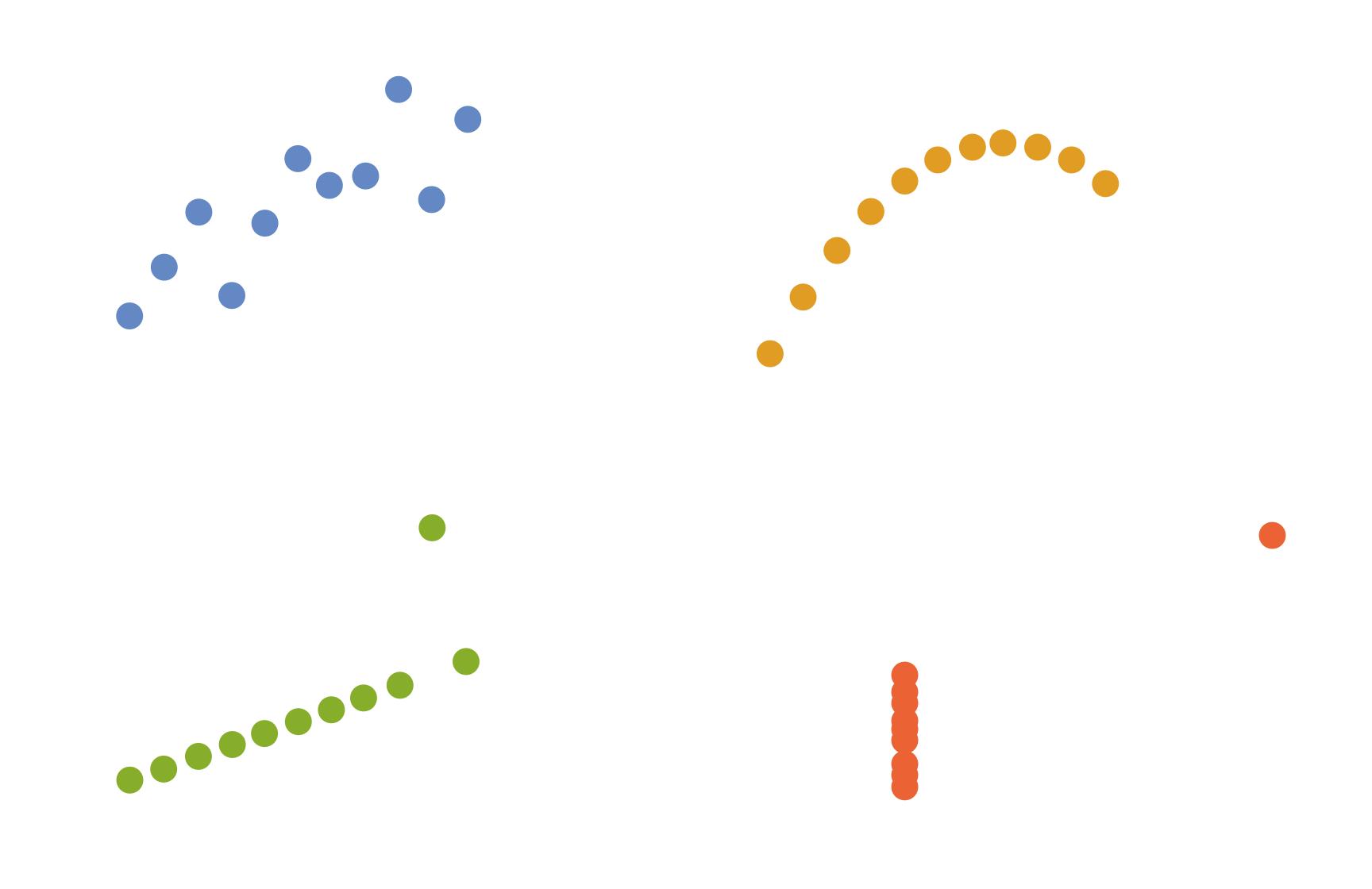
Dan Quinn MAE/ECE

	Data	set 1	Data	set 2	Dataset 3	Data	aset 4
	X	У	X	У	x y	X	У
	10.0	8.04	10.0	9.14	10.0 7.46	8.0	6.58
	8.0	6.95	8.0	8.14	8.0 6.77	8.0	5.76
	13.0	7.58	13.0	8.74	13.0 12.74	8.0	7.71
	9.0	8.81	9.0	8.77	9.0 7.11	8.0	8.84
	11.0	8.33	11.0	9.26	11.0 7.81	8.0	8.47
	14.0	9.96	14.0	8.10	14.0 8.84	8.0	7.04
	6.0	7.24	6.0	6.13	6.0 6.08	8.0	5.25
	4.0	4.26	4.0	3.10	4.0 5.39	19.0	12.50
	12.0	10.84	12.0	9.13	12.0 8.15	8.0	5.56
	7.0	4.82	7.0	7.26	7.0 6.42	8.0	7.91
	5.0	5.68	5.0	4.74	5.0 5.73	8.0	6.89
Mean:	9	7.5	9	7.5	9 7.5	9	7.5
Linear fit:	y = 3	+ 0.5x	y = 3	+ 0.5x	y = 3 + 0.5x	y = 3	3 + 0.5x
	$R^2 =$		$R^2 =$	0.69			0.69

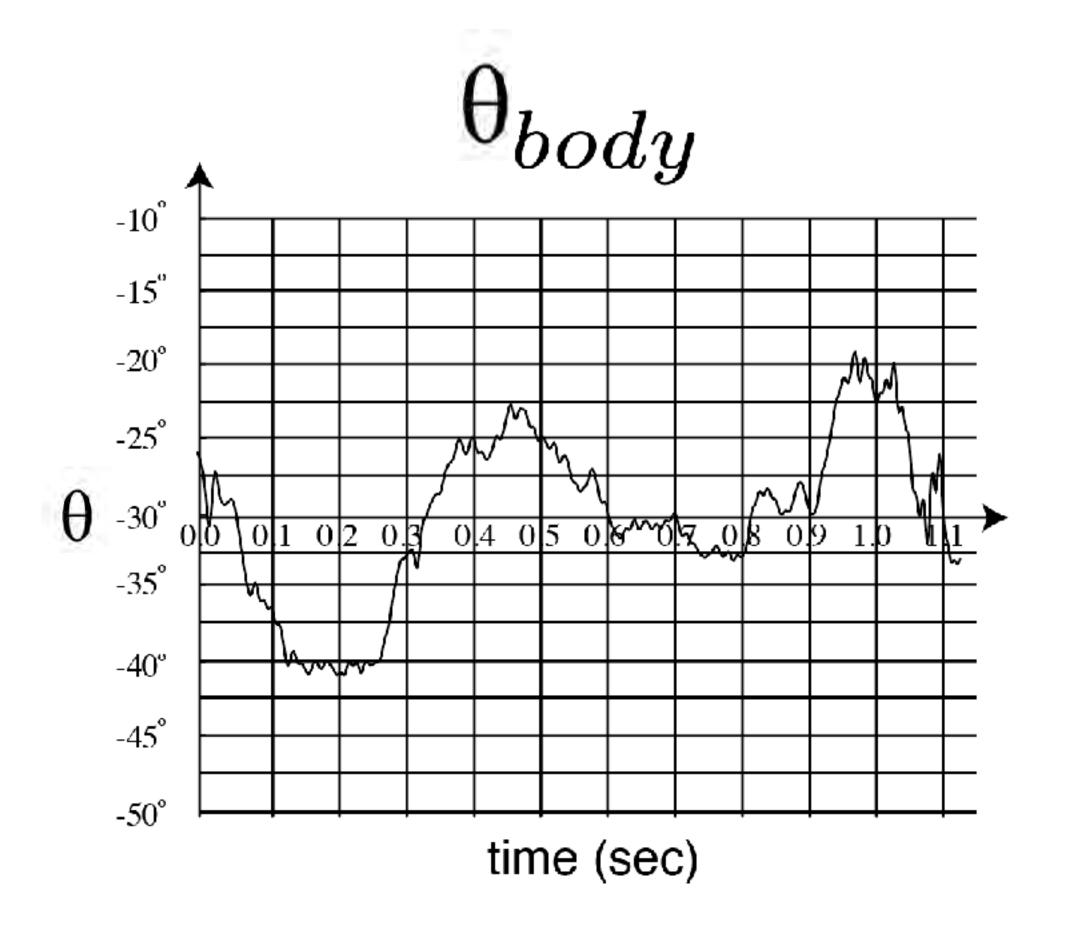


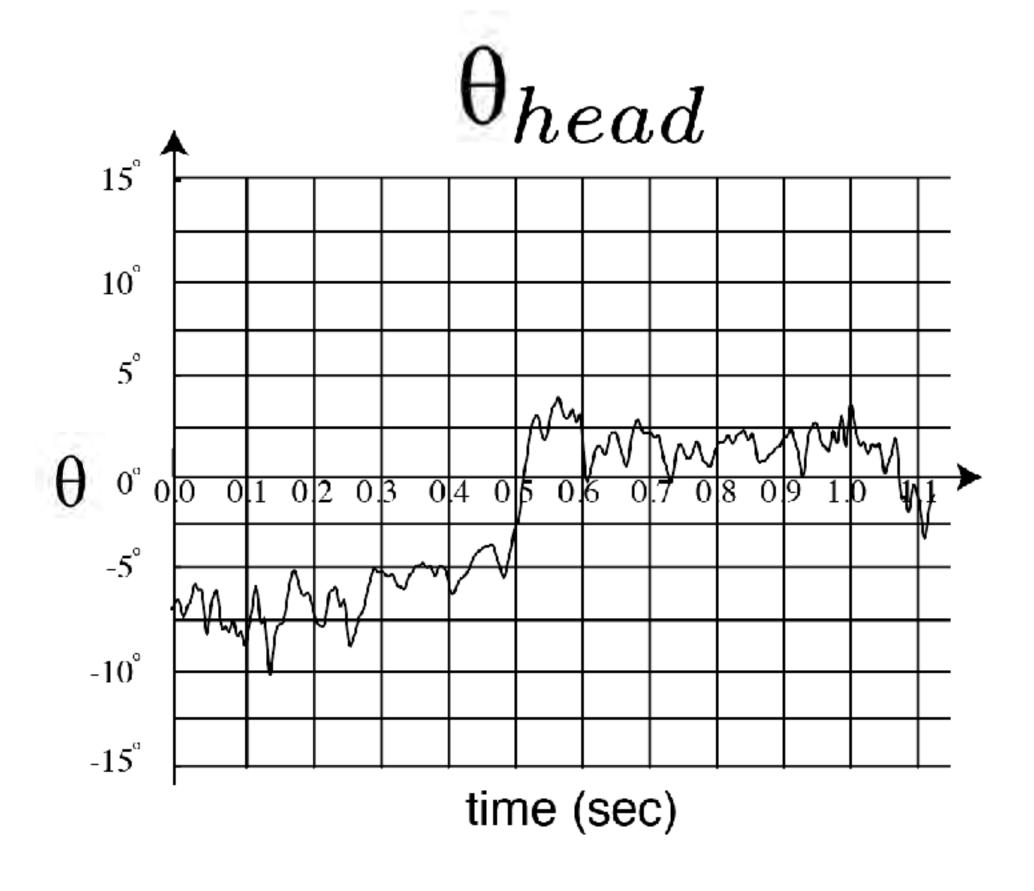




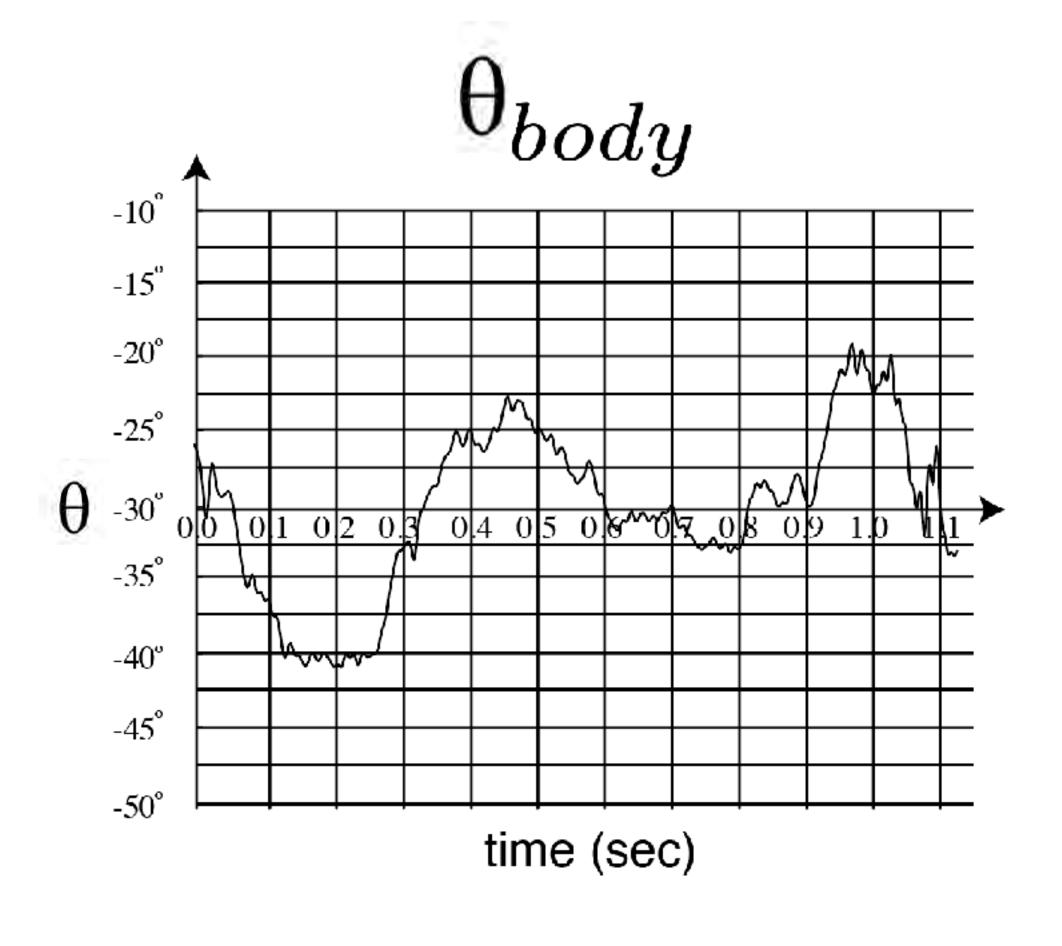


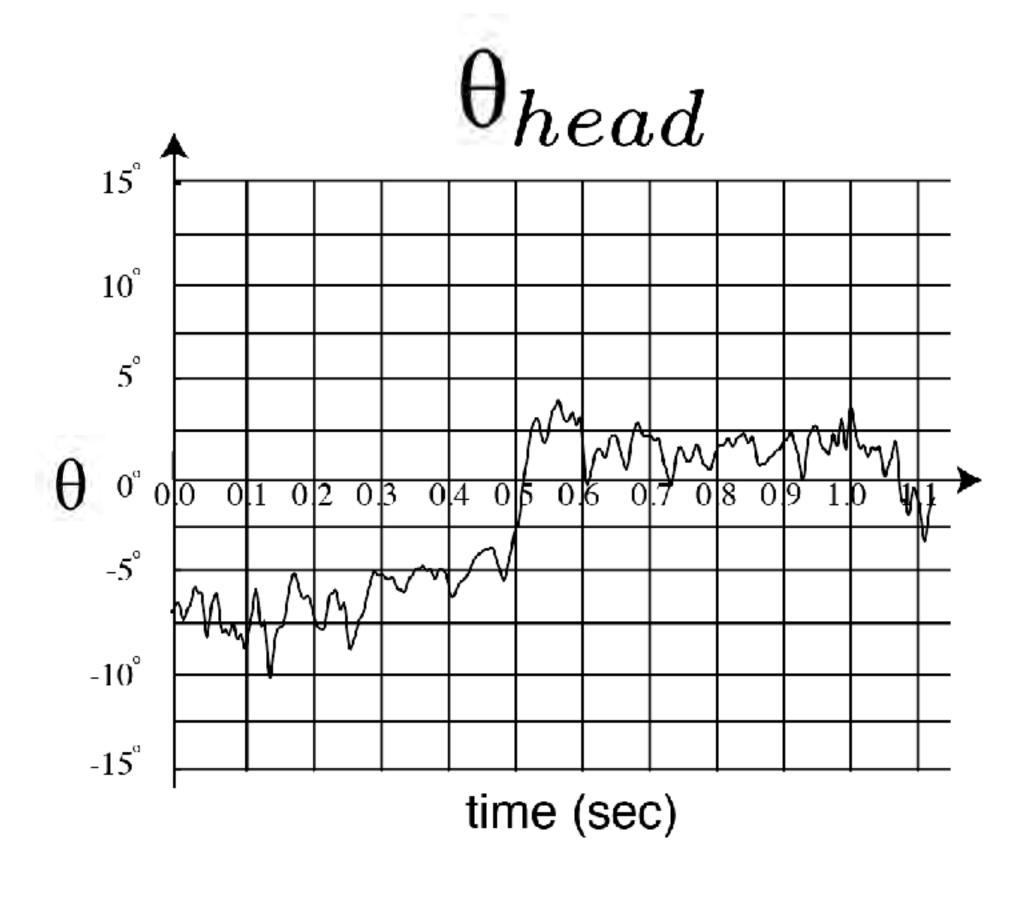
Results

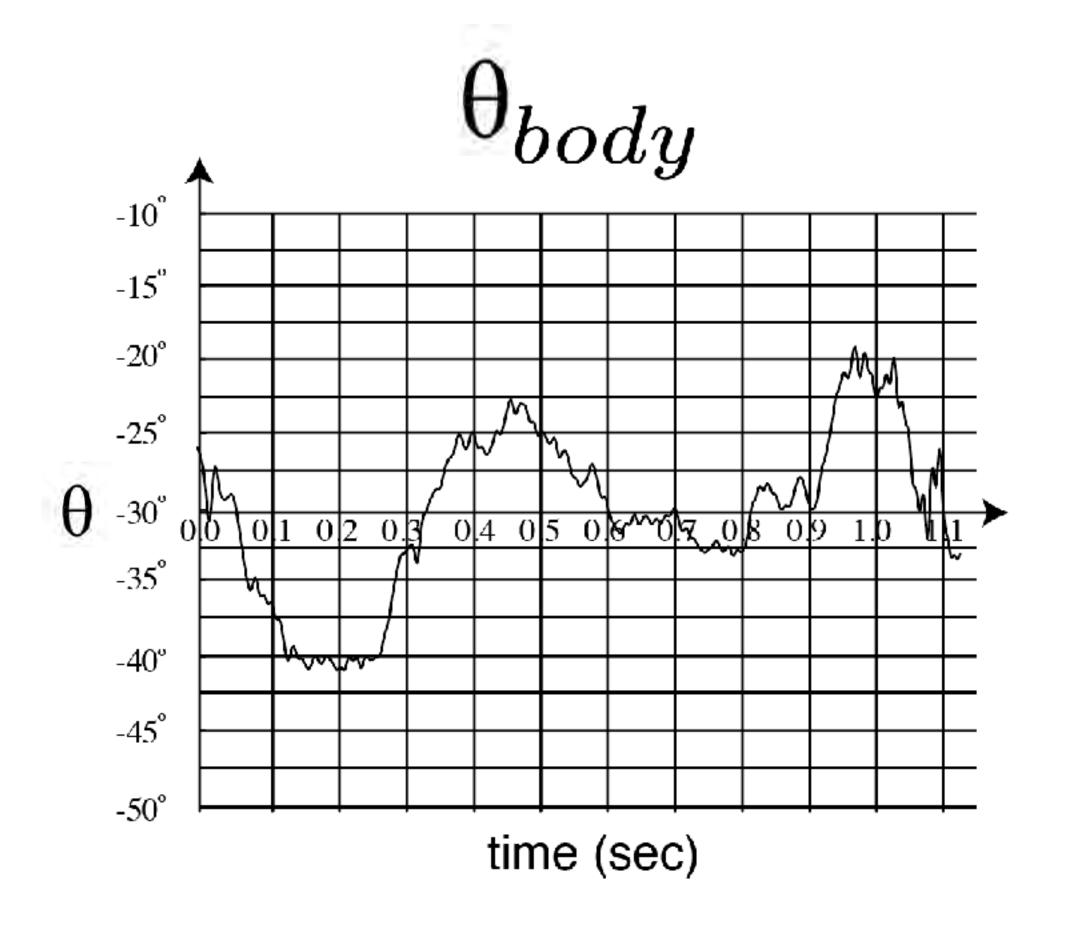


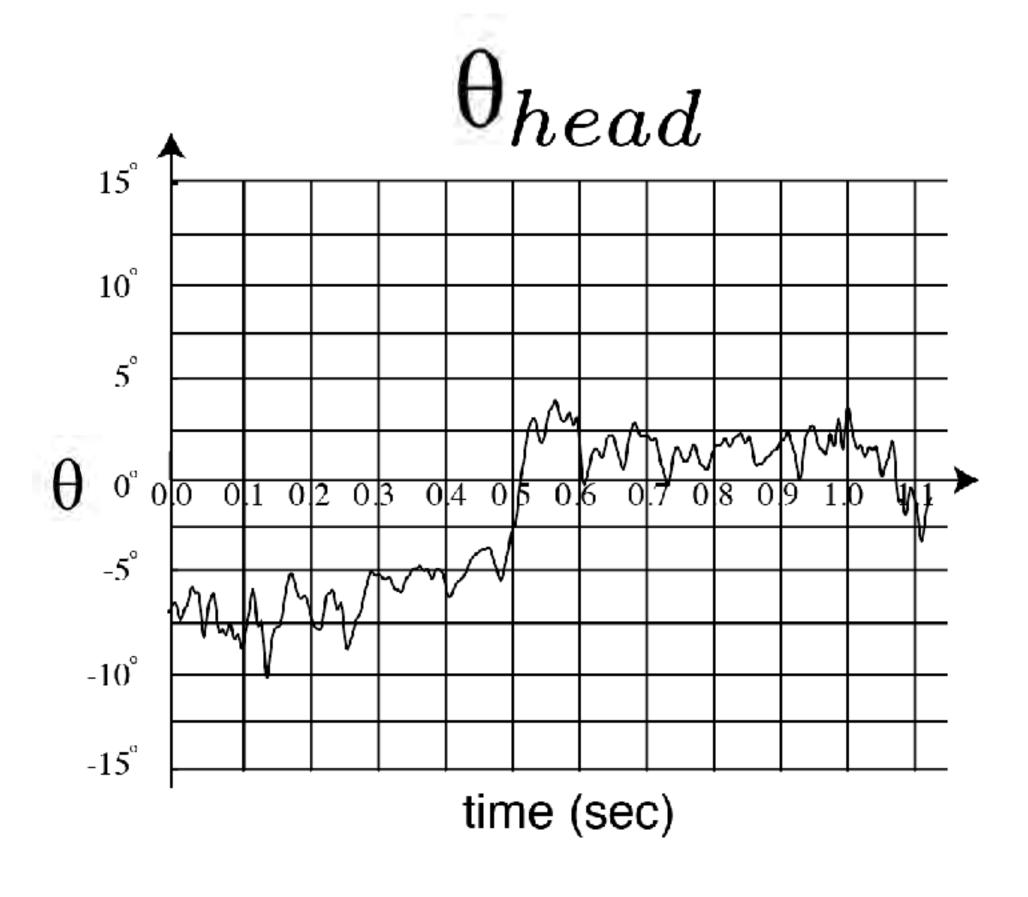


Lovebird body and head kinematics









Guideline 1:

Title should be a short sentence that summarizes the key takeaway.







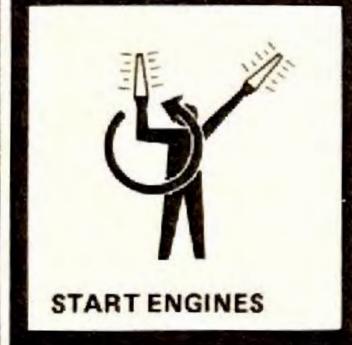


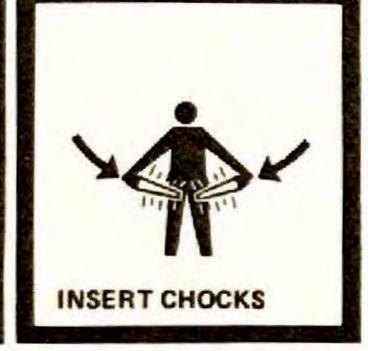












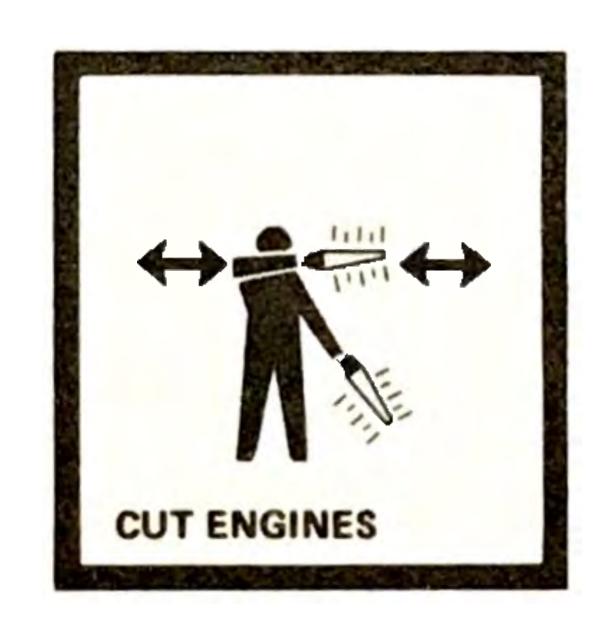






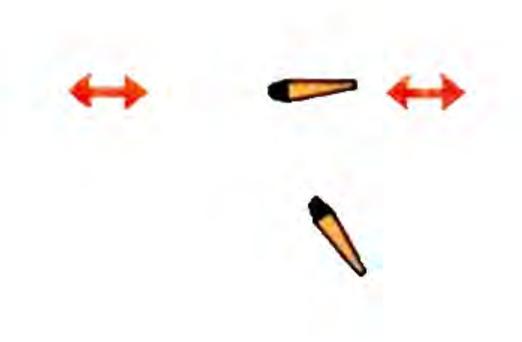


Dataless Ink:





Data Ink:









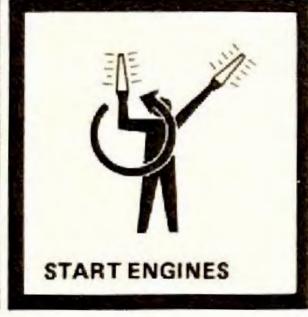


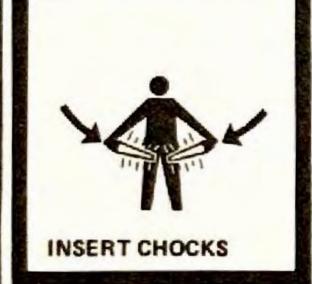


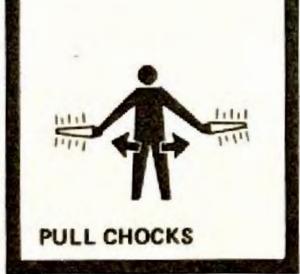






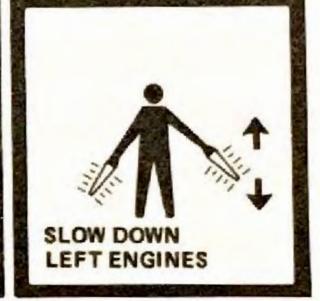






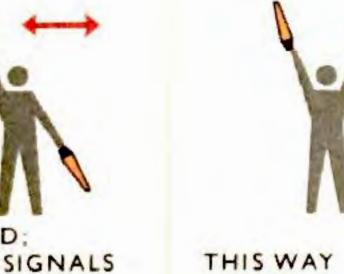








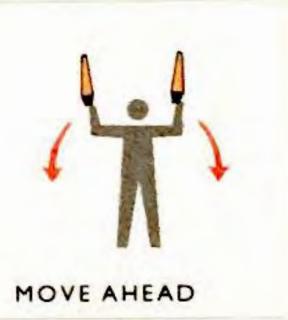








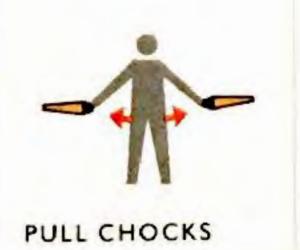




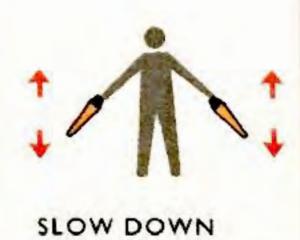


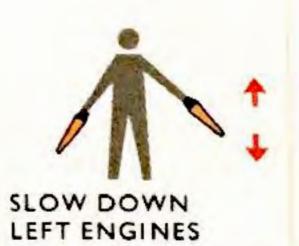


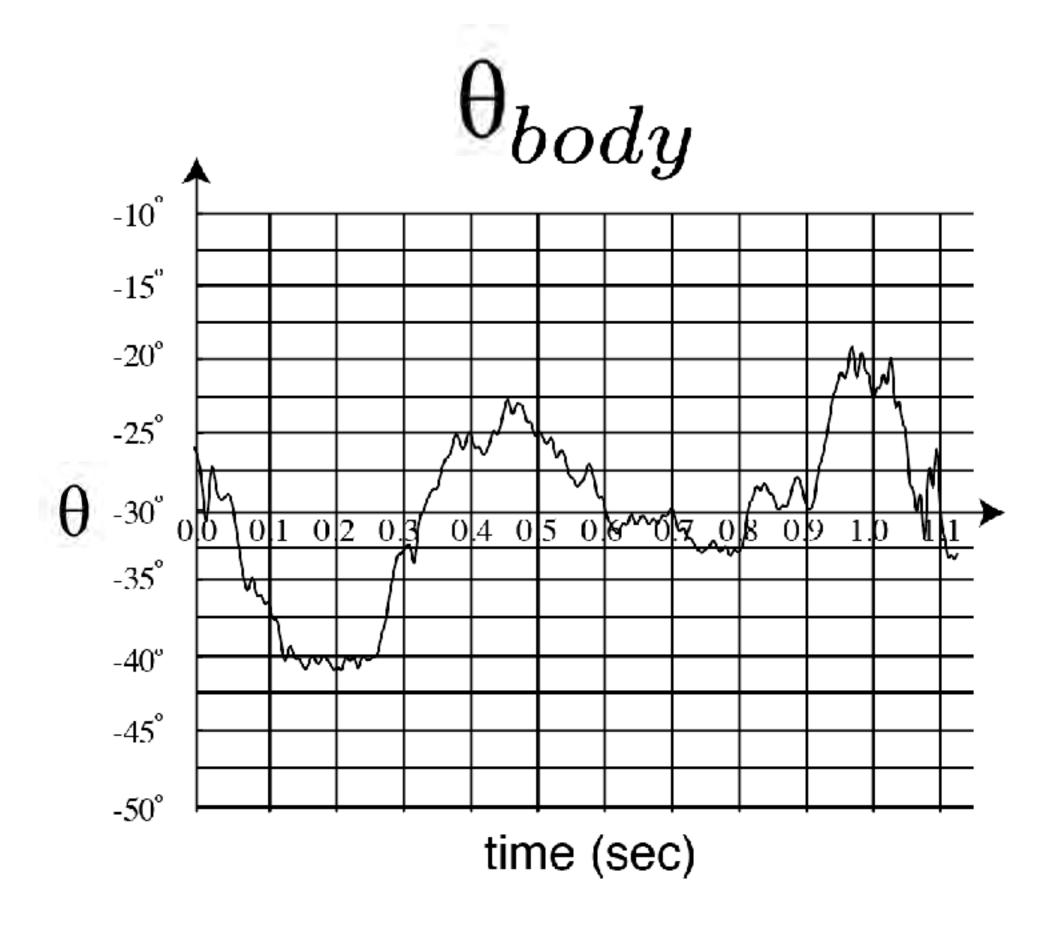


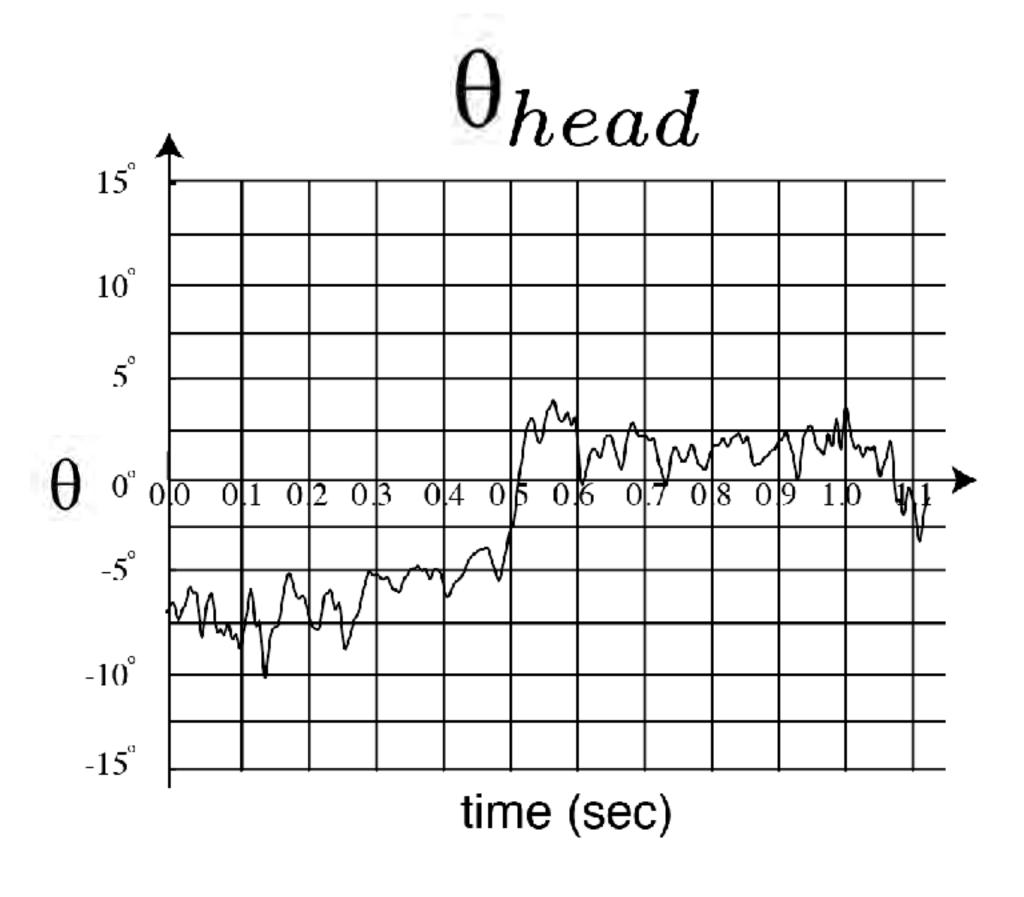


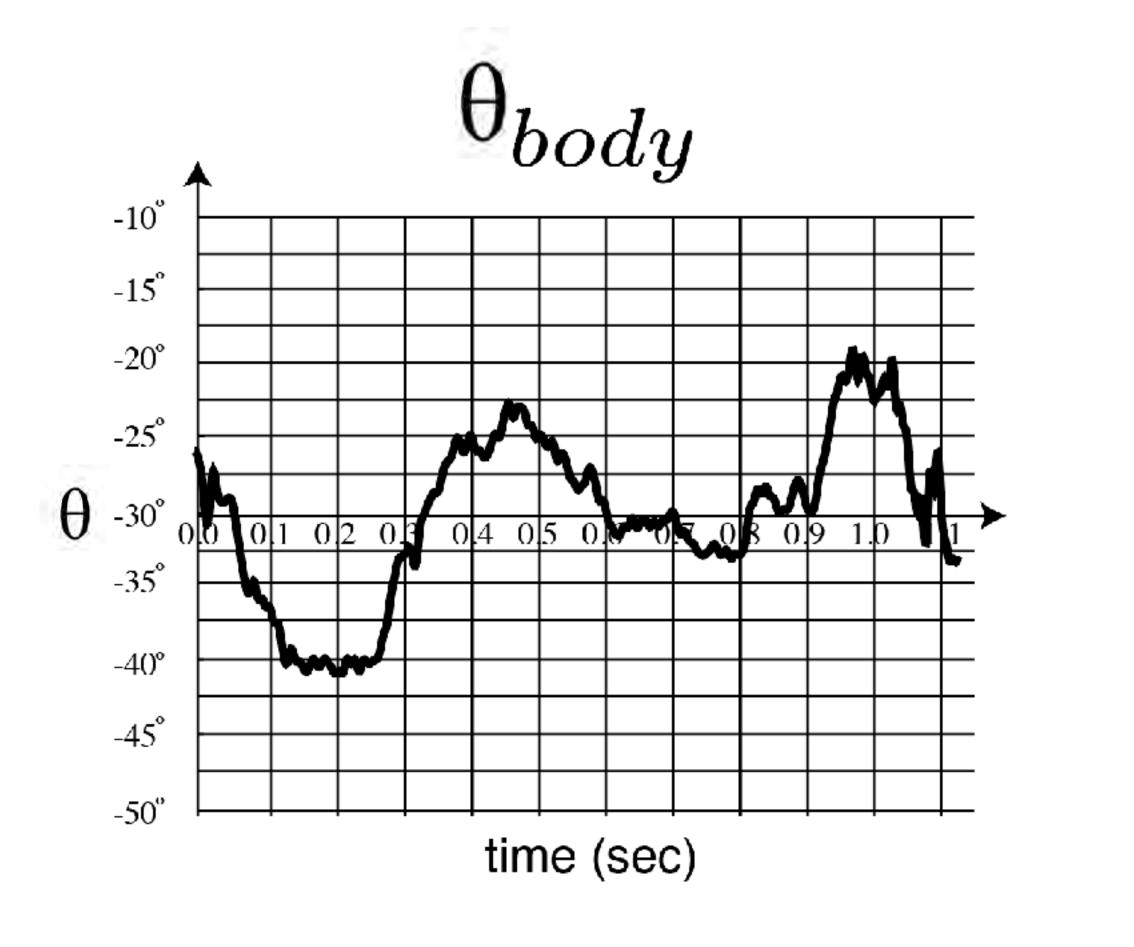


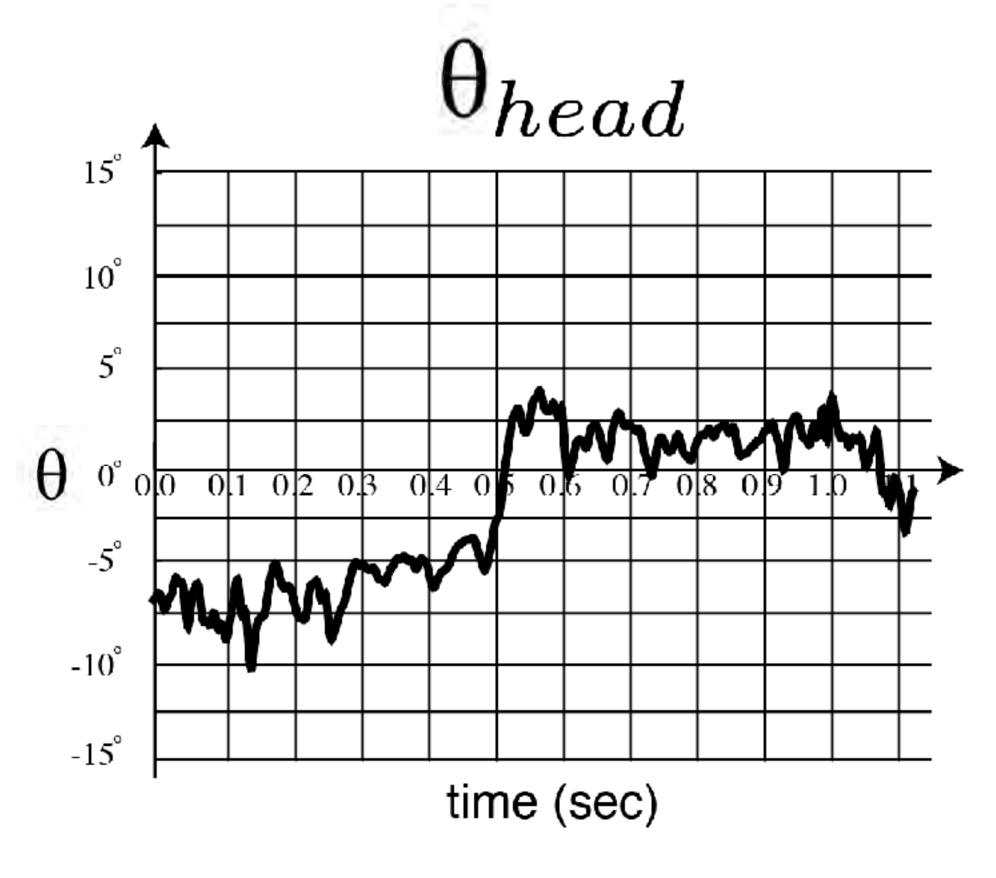


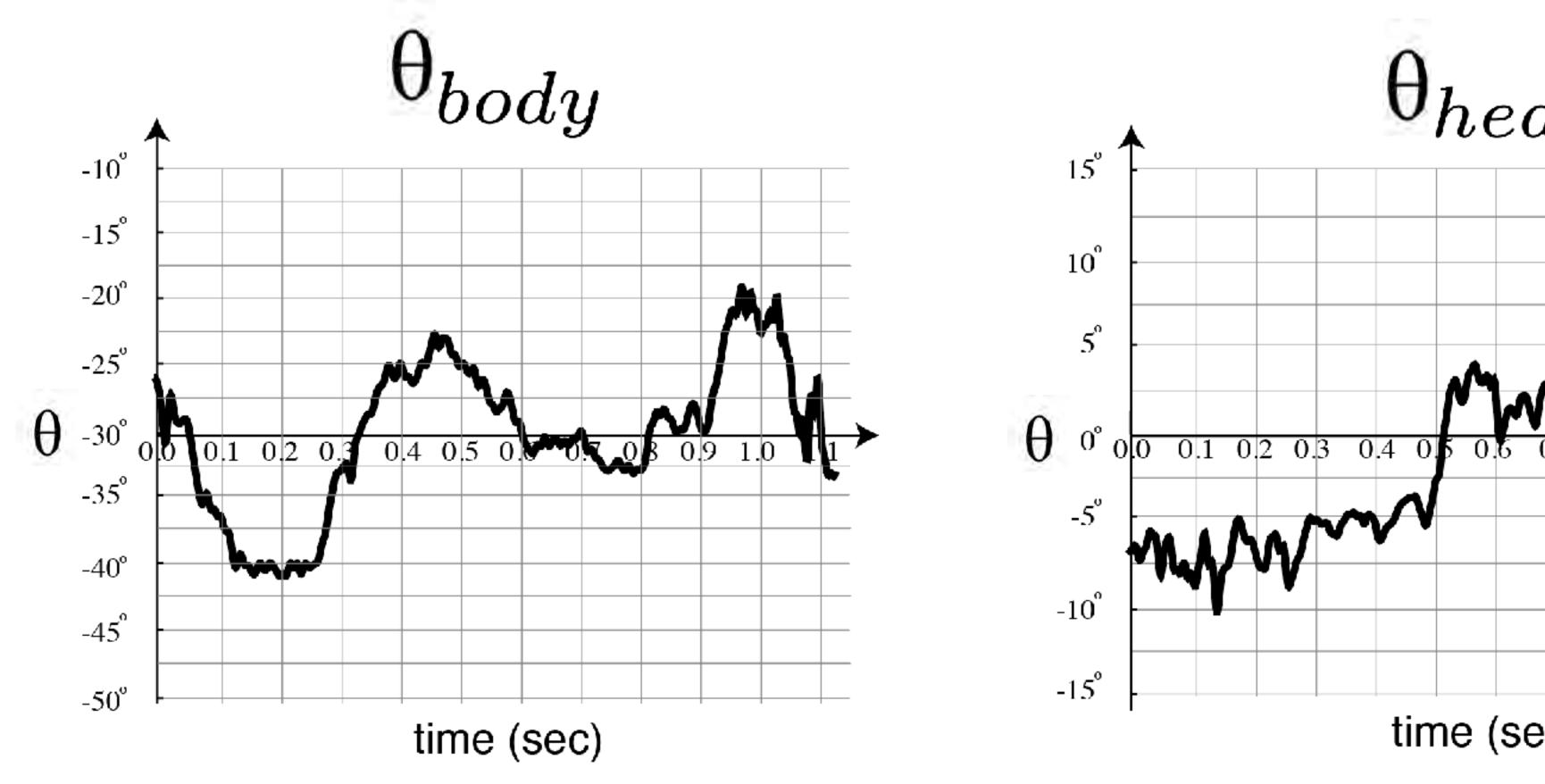


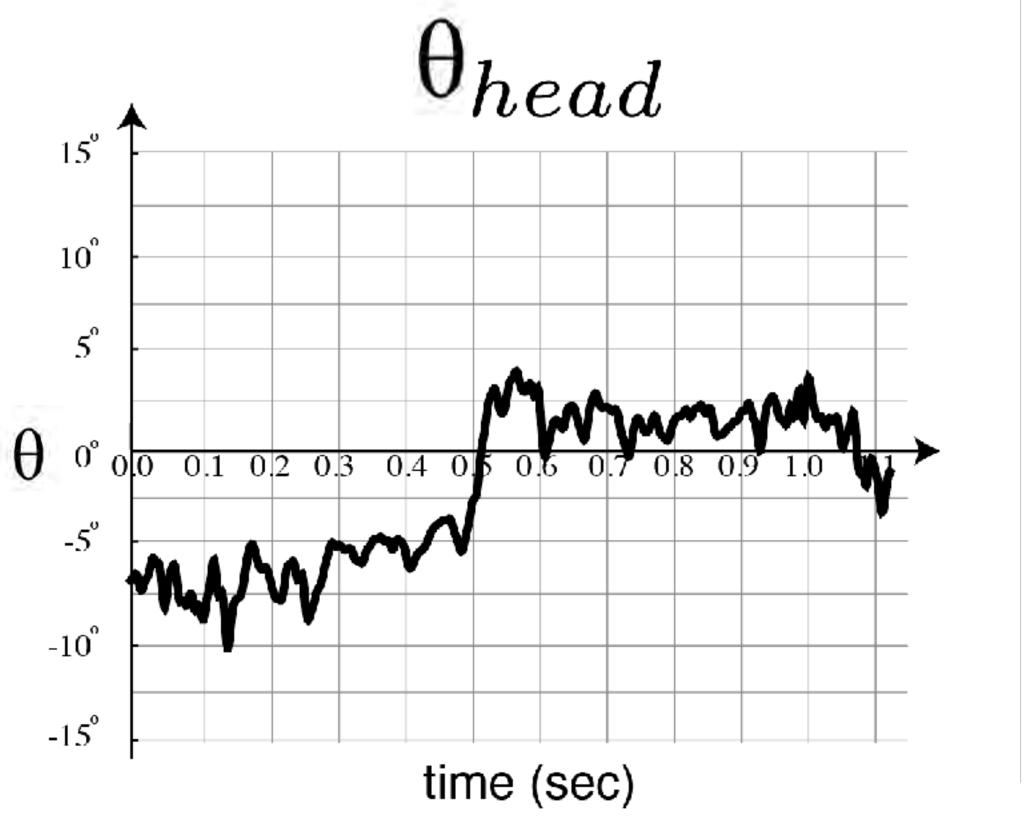


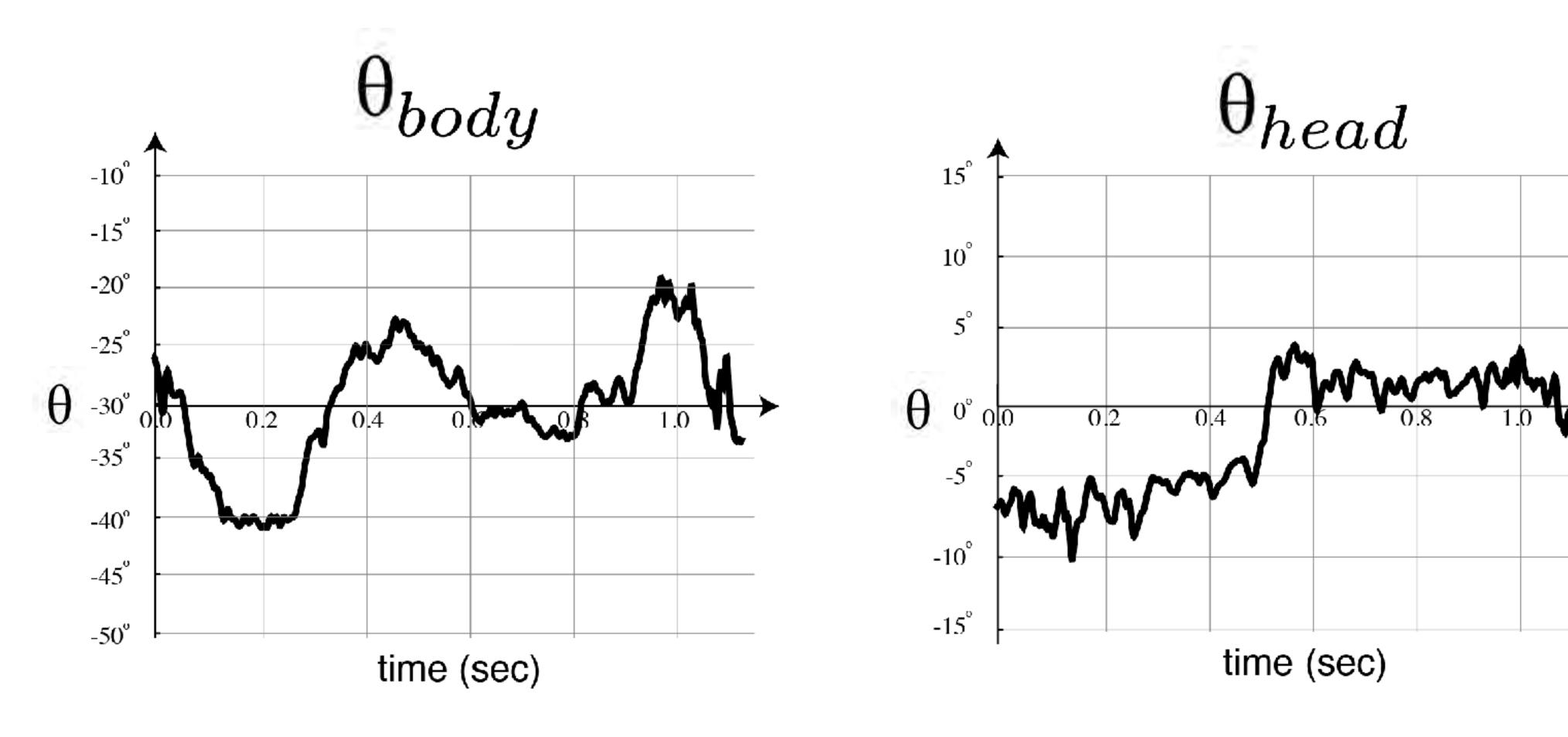


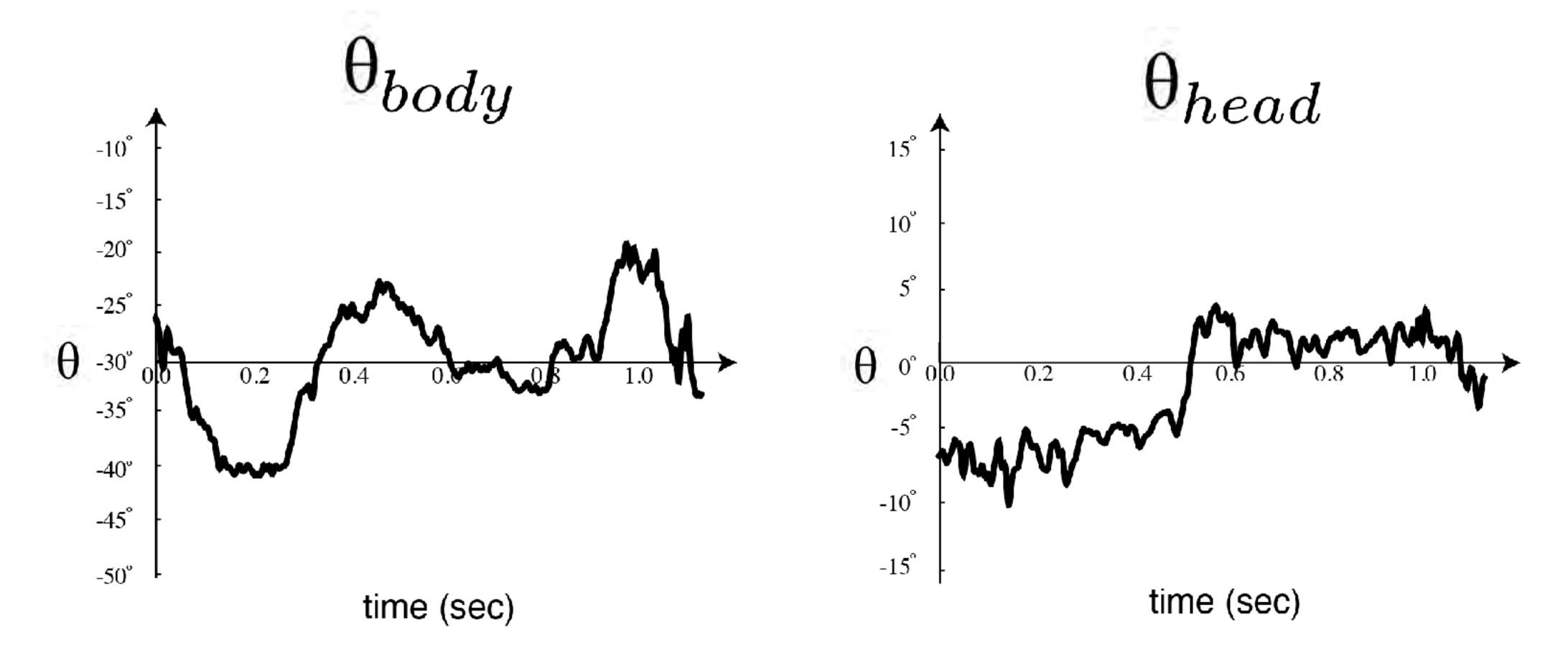








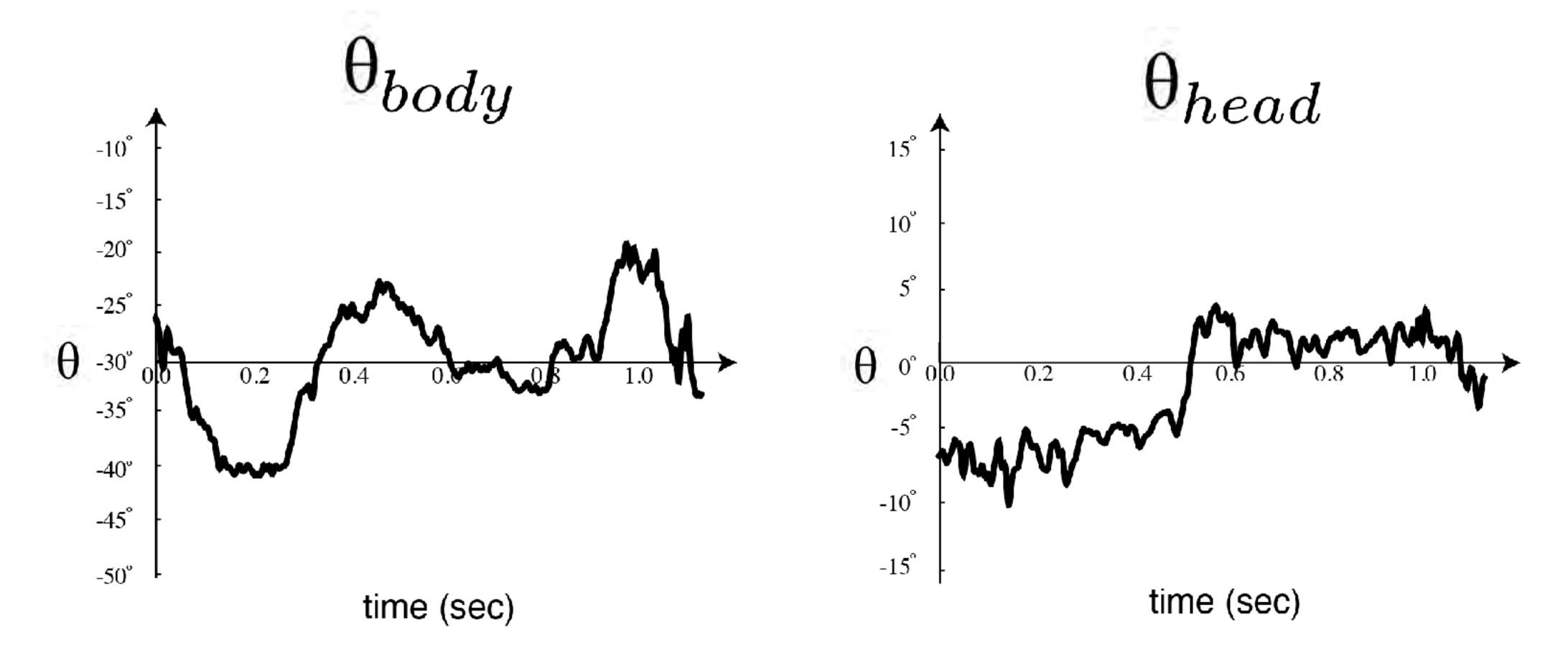


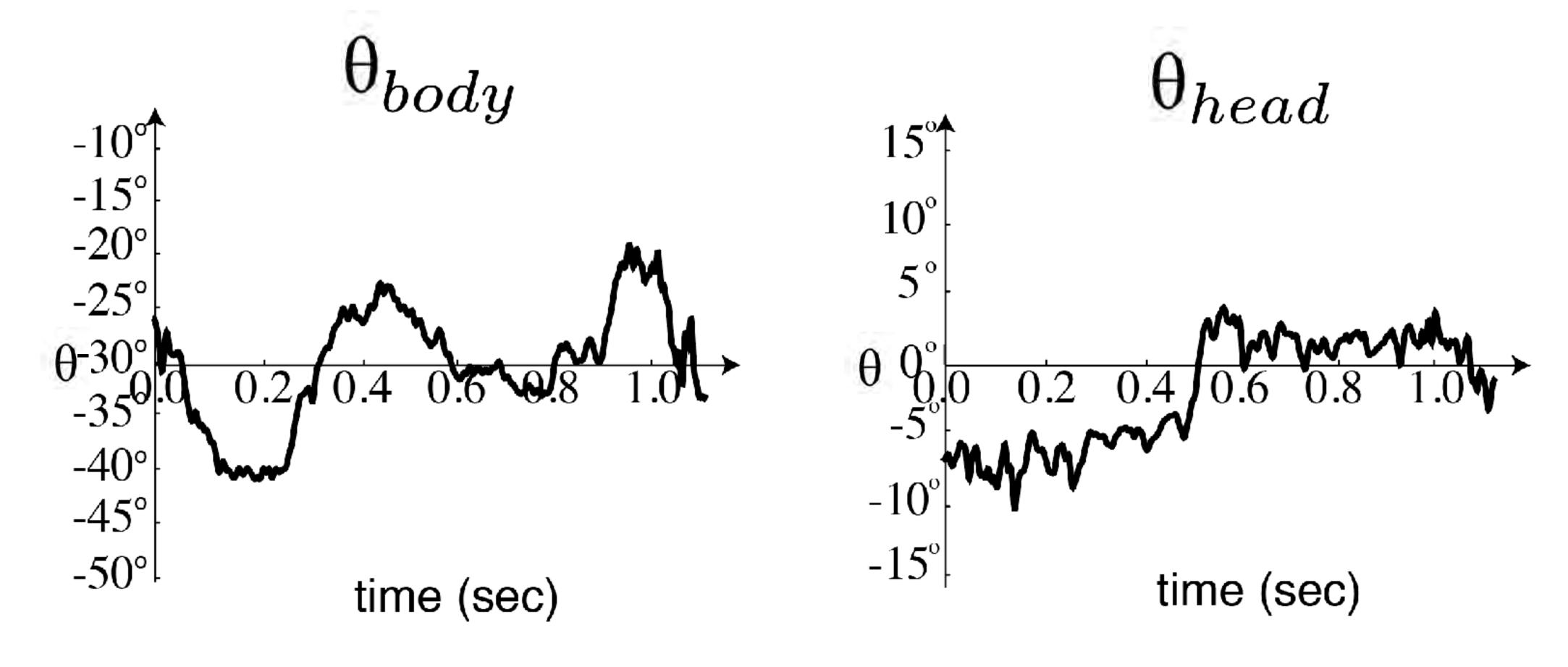


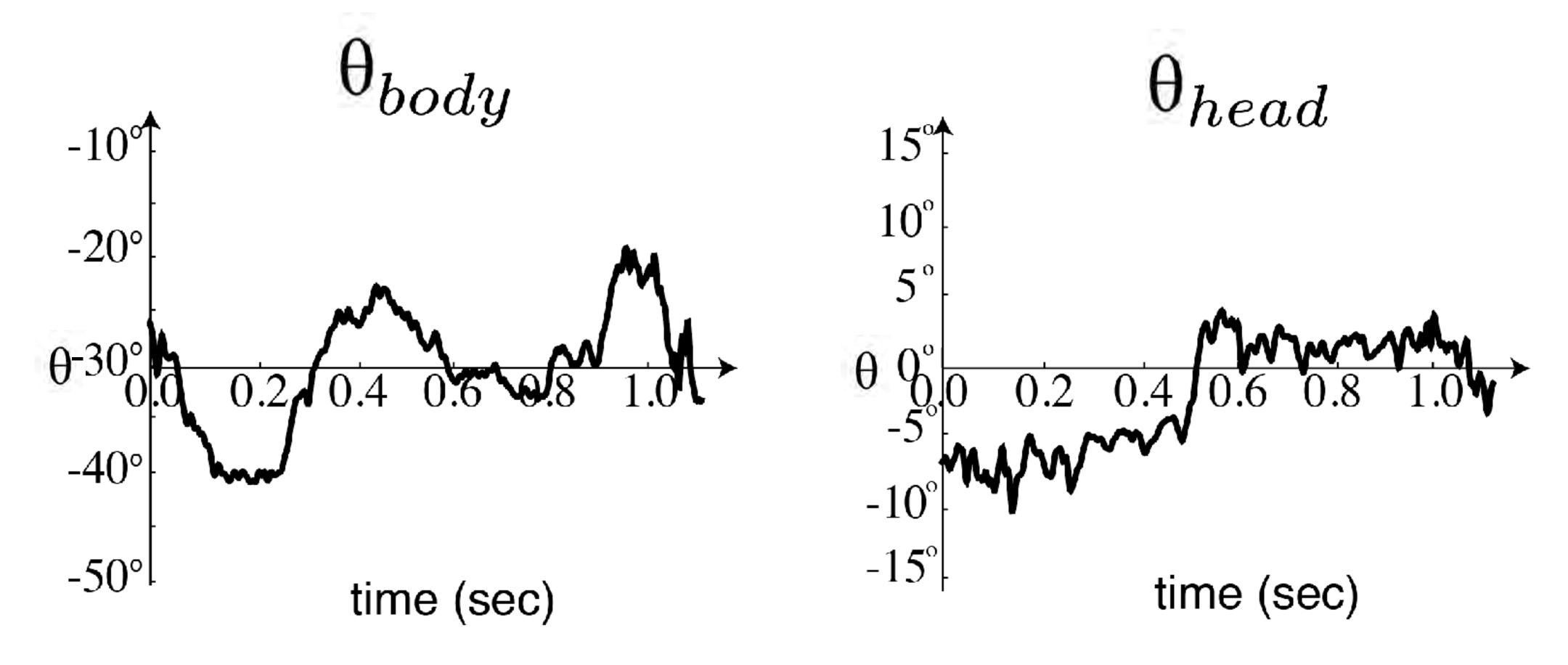
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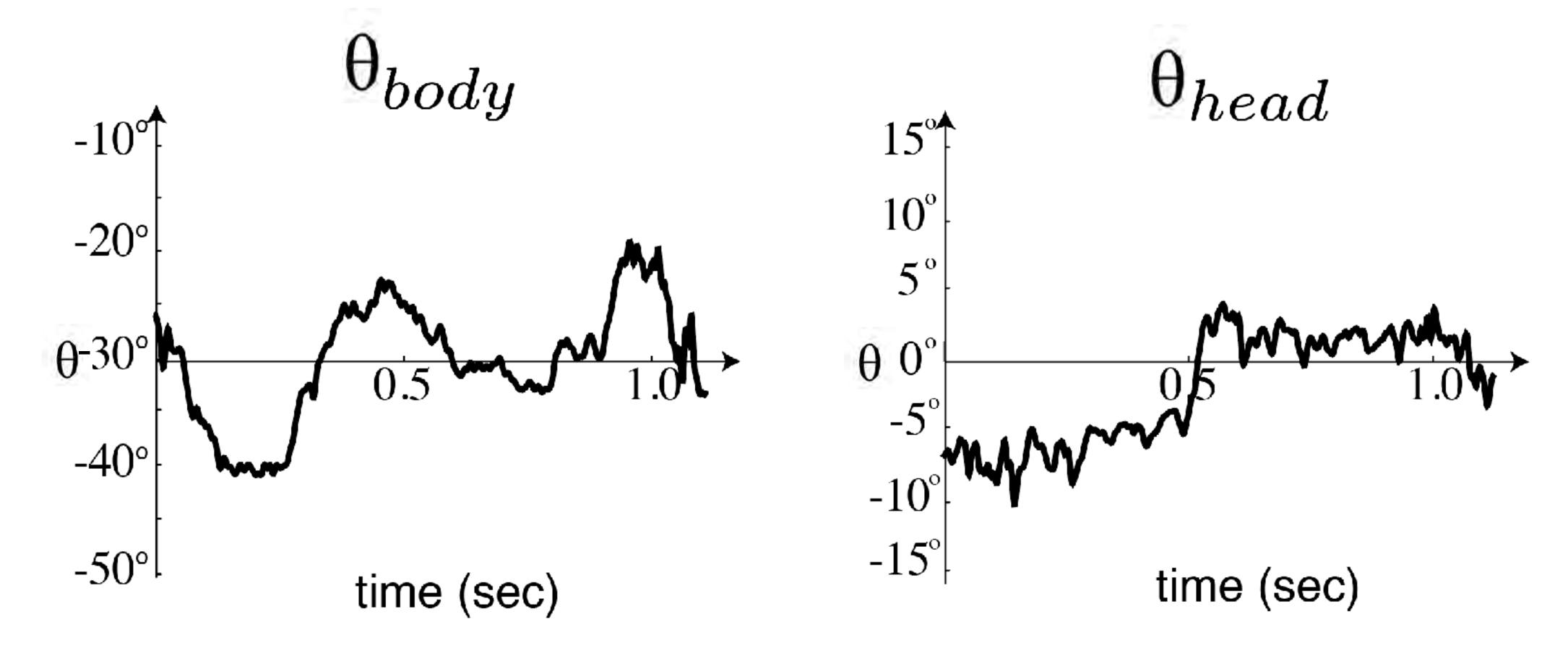
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  150 pt
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      20 pt
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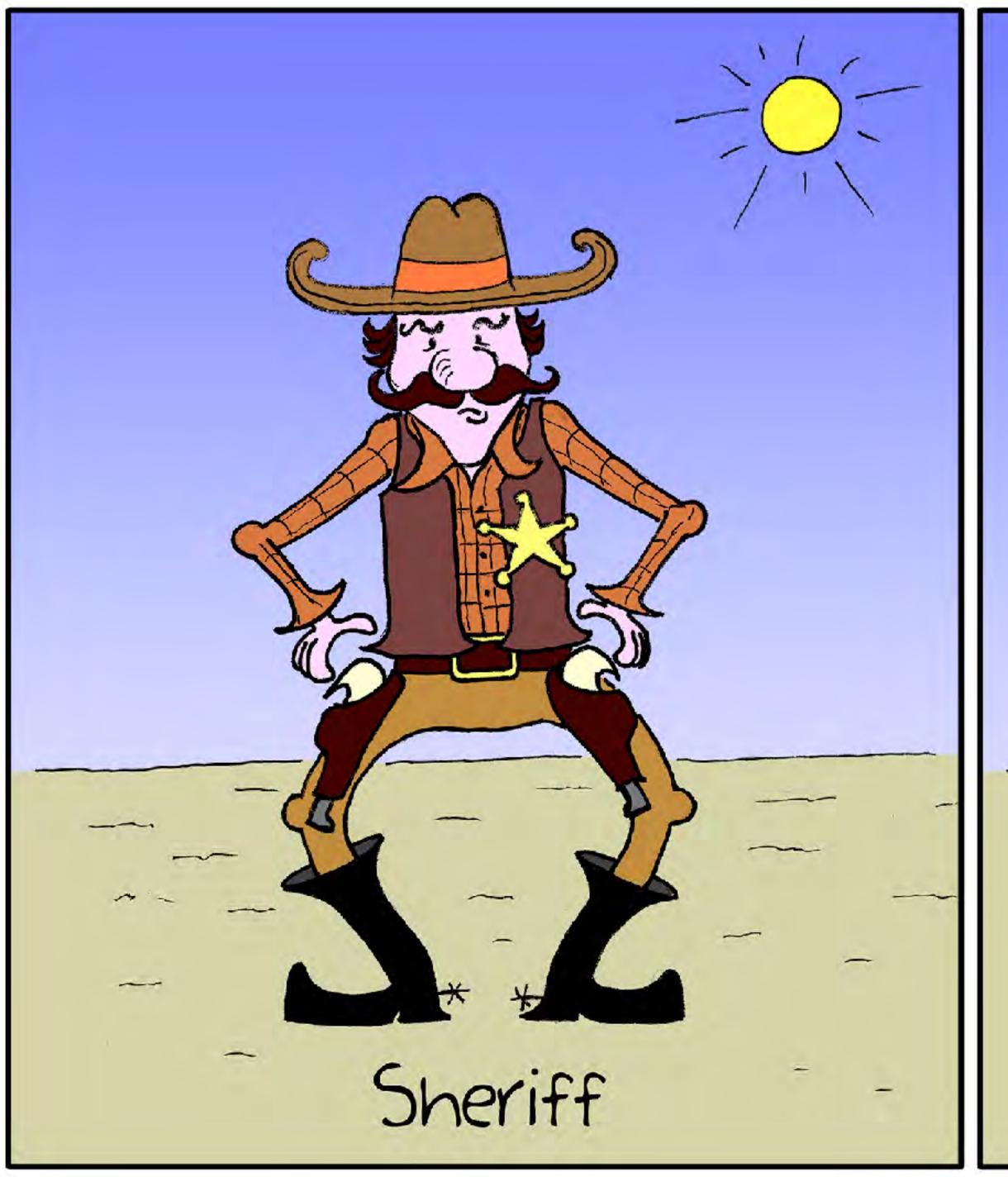


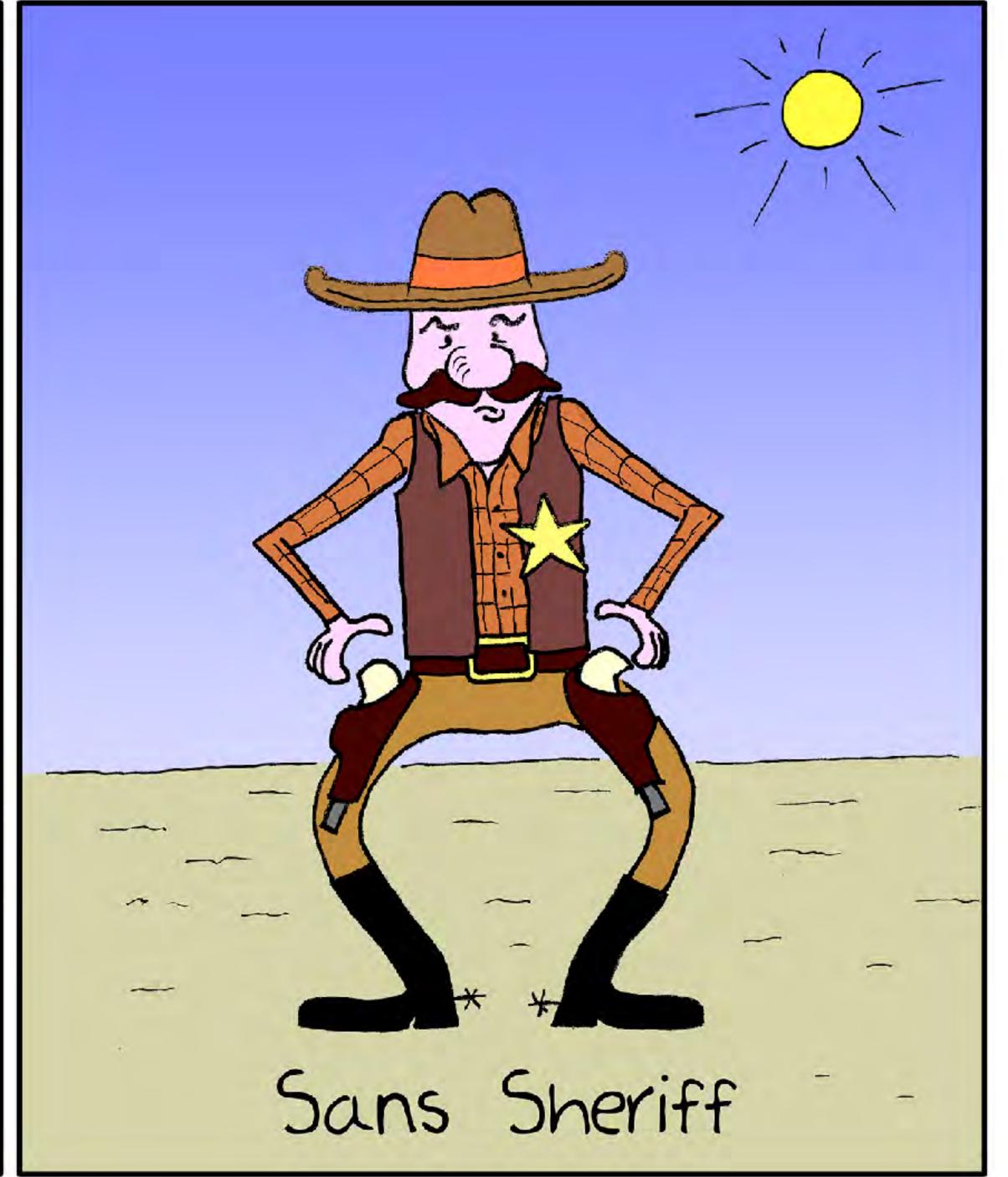






L_ovebirds





Serif
Think: print

Times
Palatino
Georgia
Baskerville

Sans Serif Think: screen

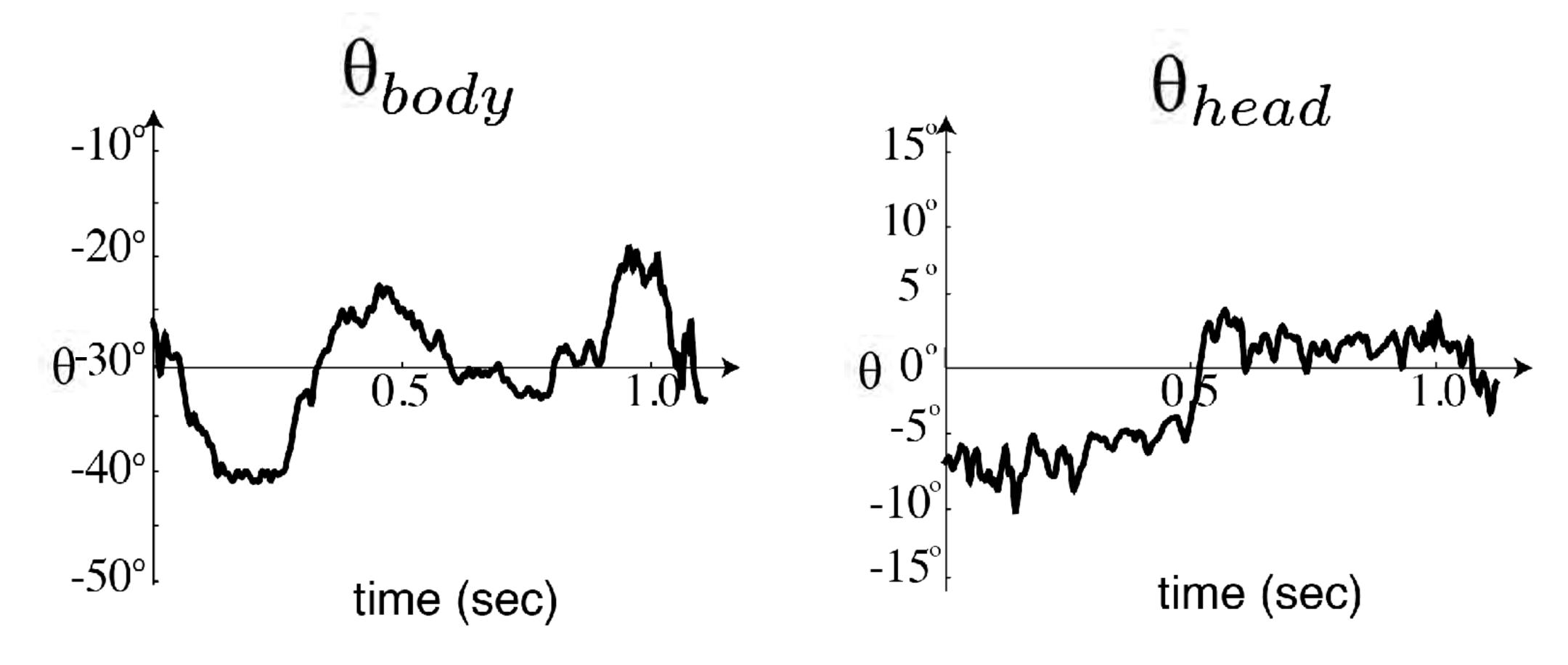
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Arial
Avenir
Verdana

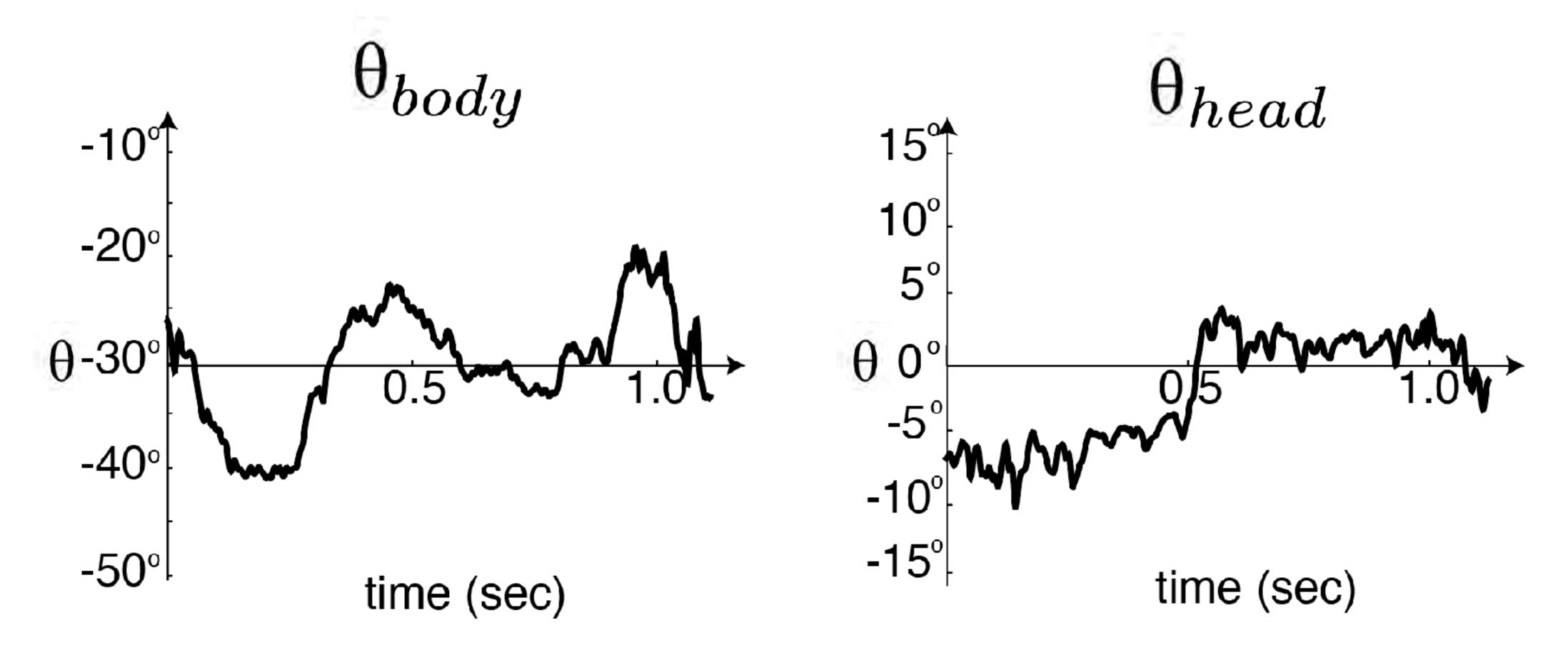
Unsteady propulsion near a solid boundary

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A new low-turbulence wind tunnel for animal and small vehicle flight experiments





Lovebirds LOVEDICOS

Roman Think: permanent

2.8 m/s

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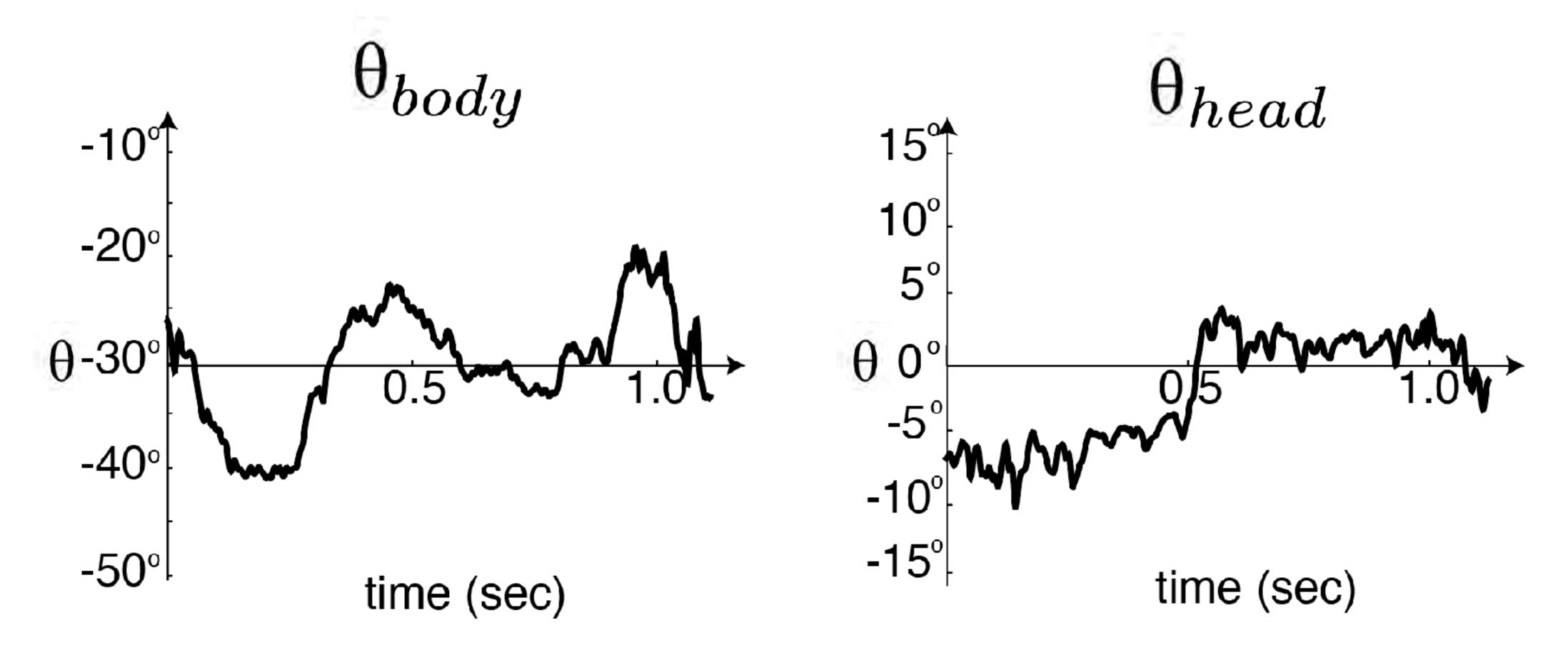
 $\frac{\mathrm{d}y}{\mathrm{d}x}$

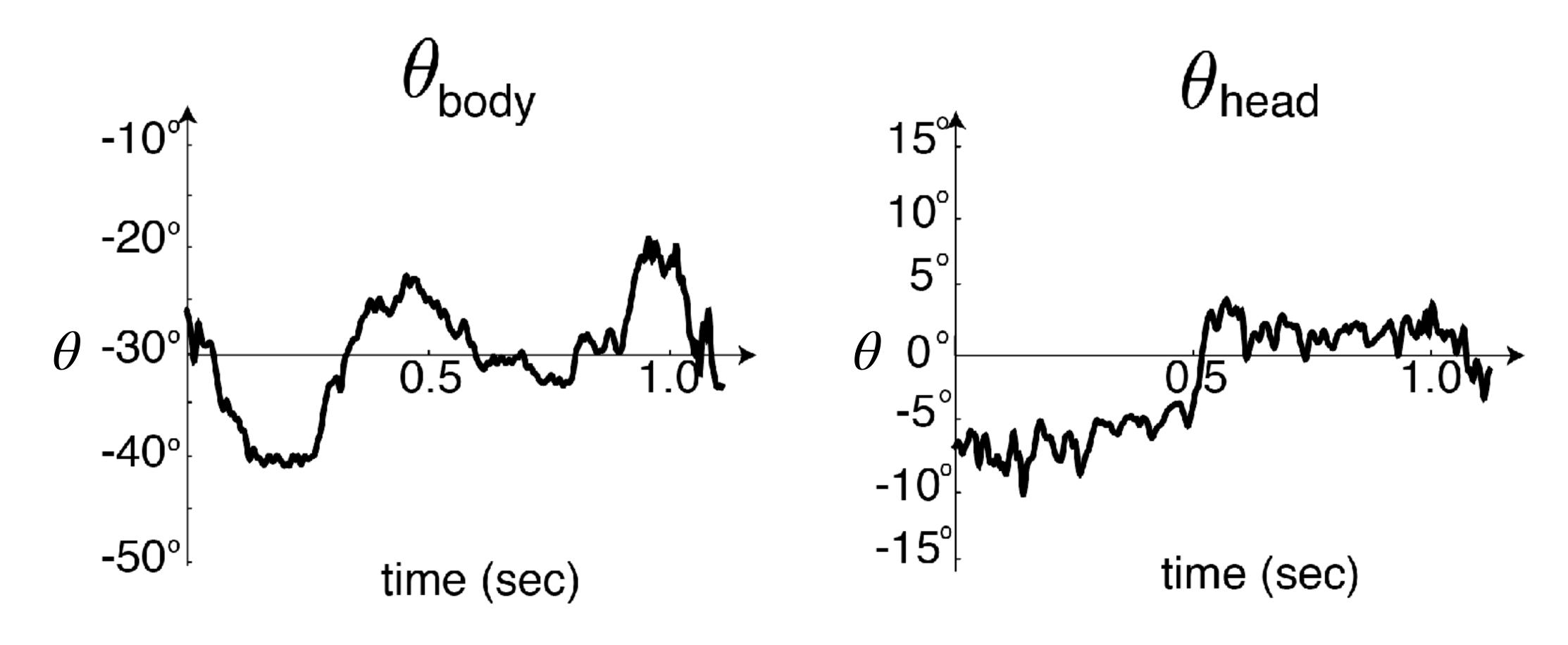
 $heta_{
m neck}$

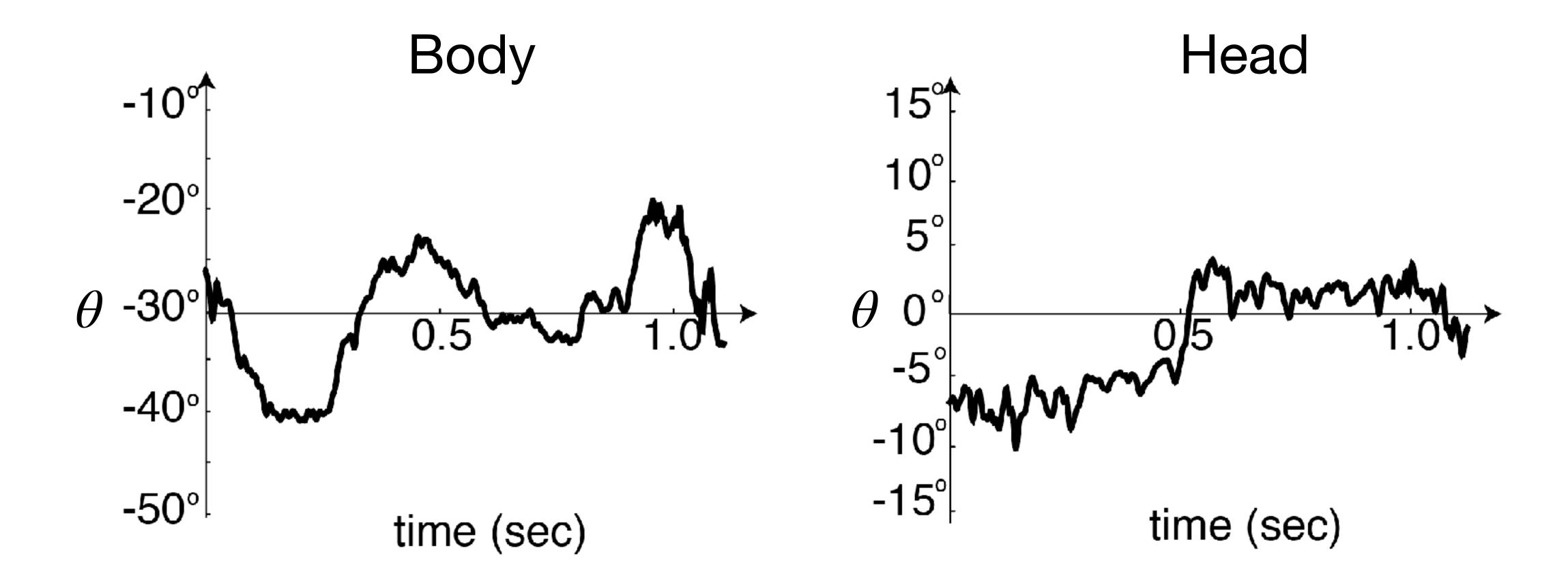
Italic Think: variable

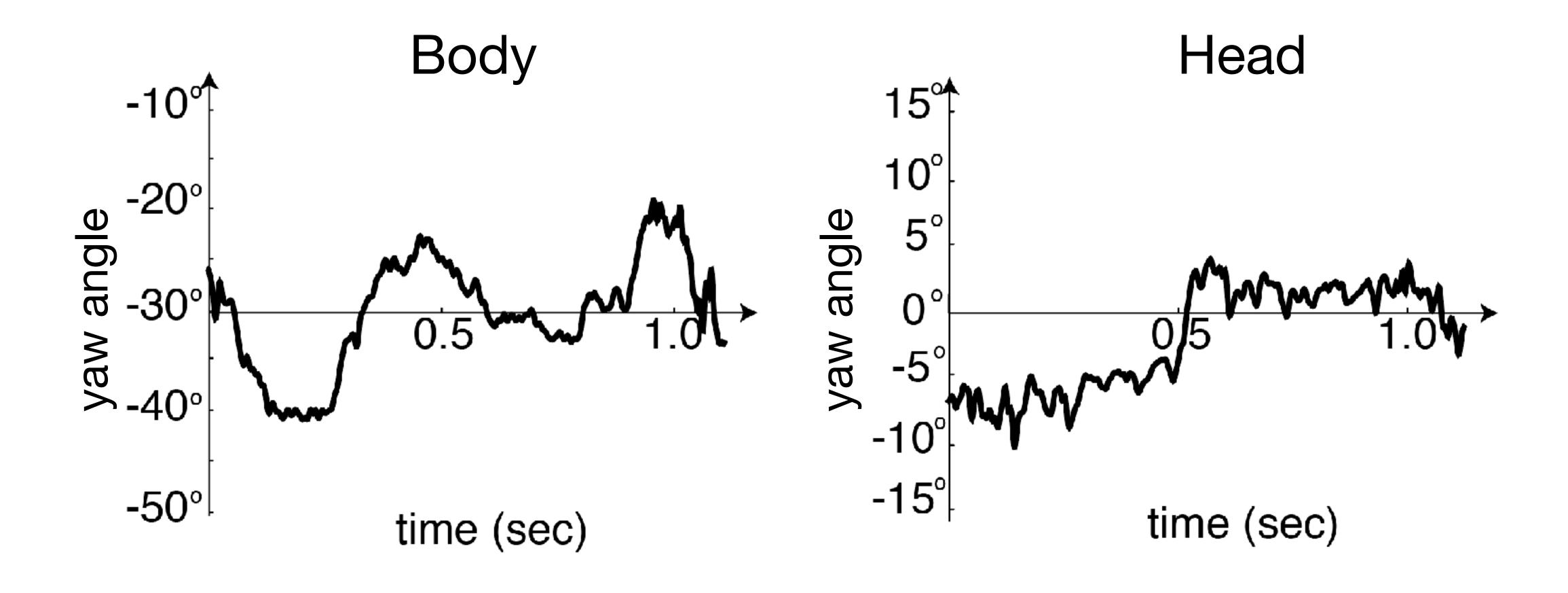
n elements d epth d viscosity μ

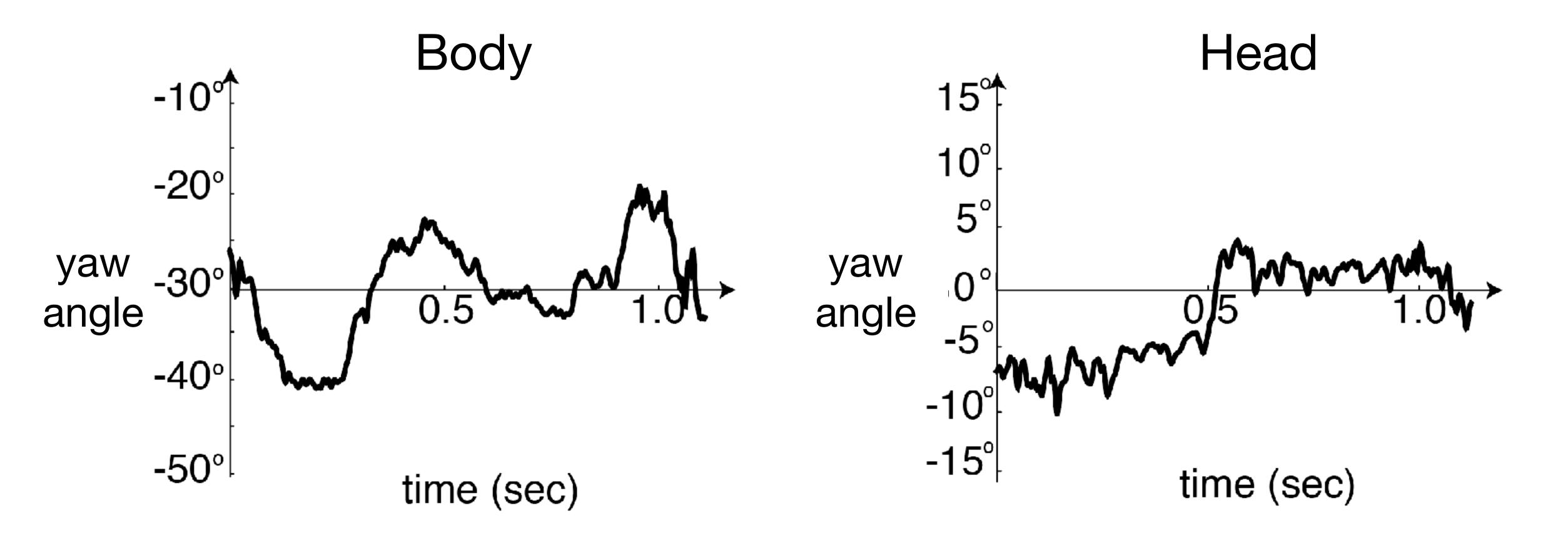
$$\sum_{i=1}^{n} x_i$$





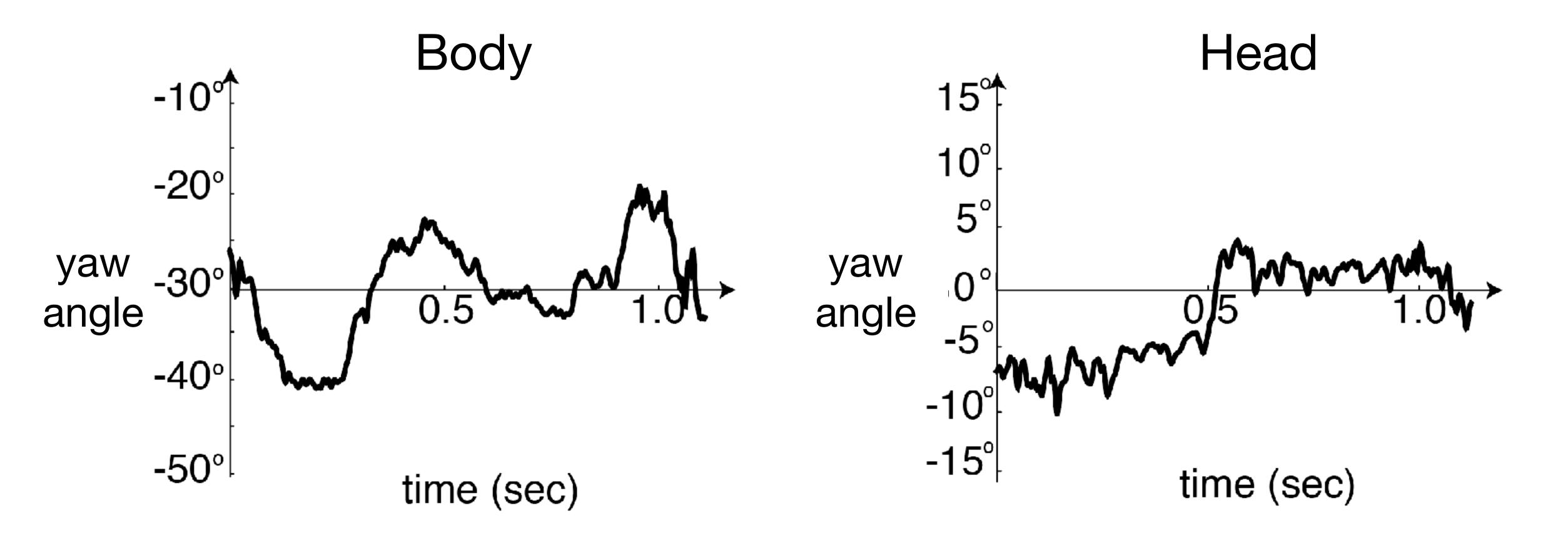


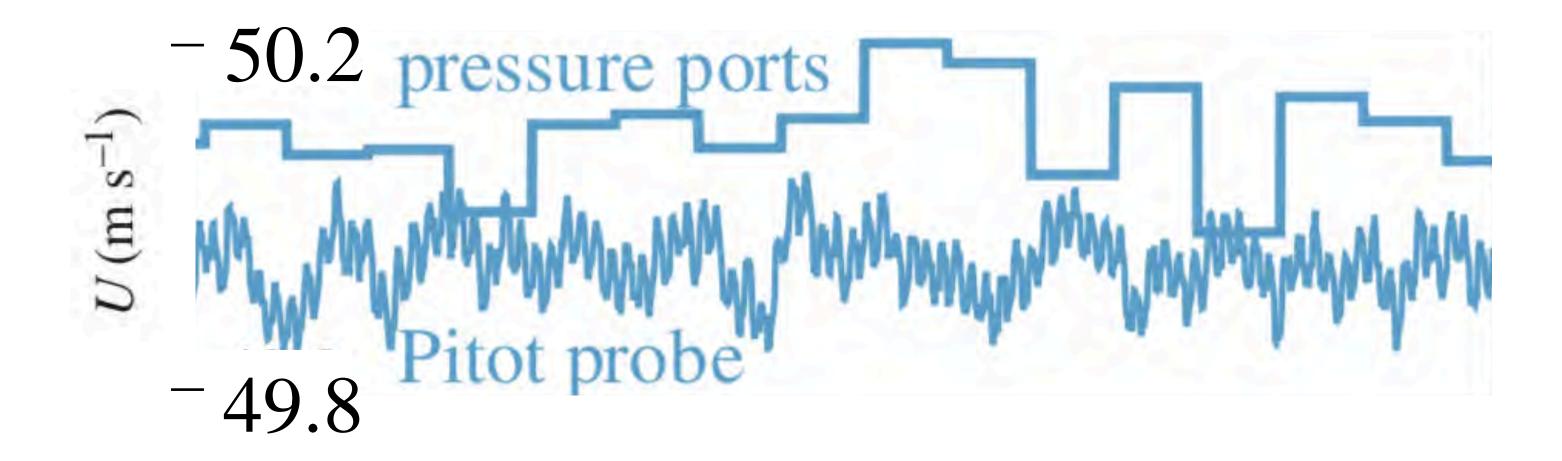


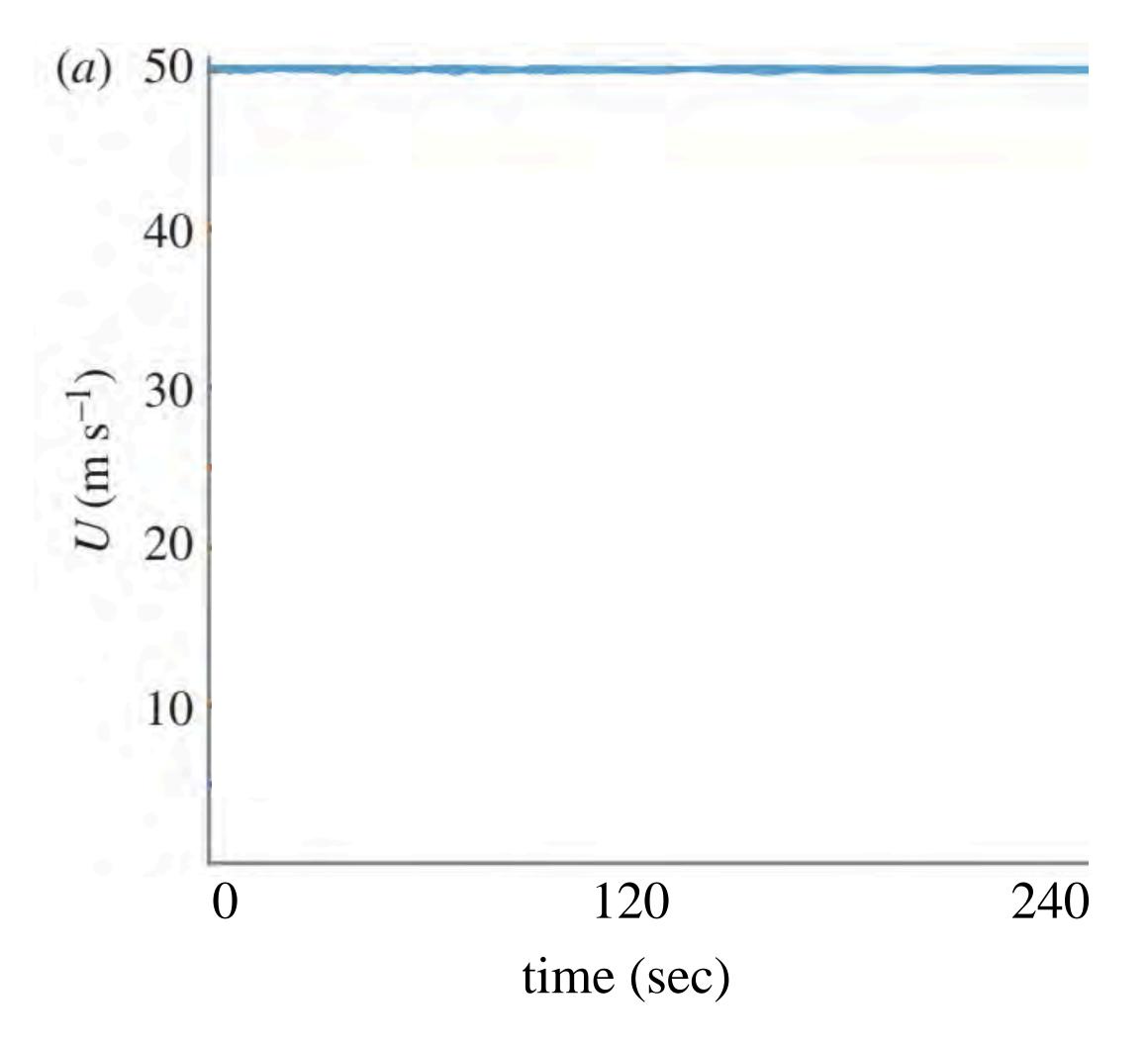


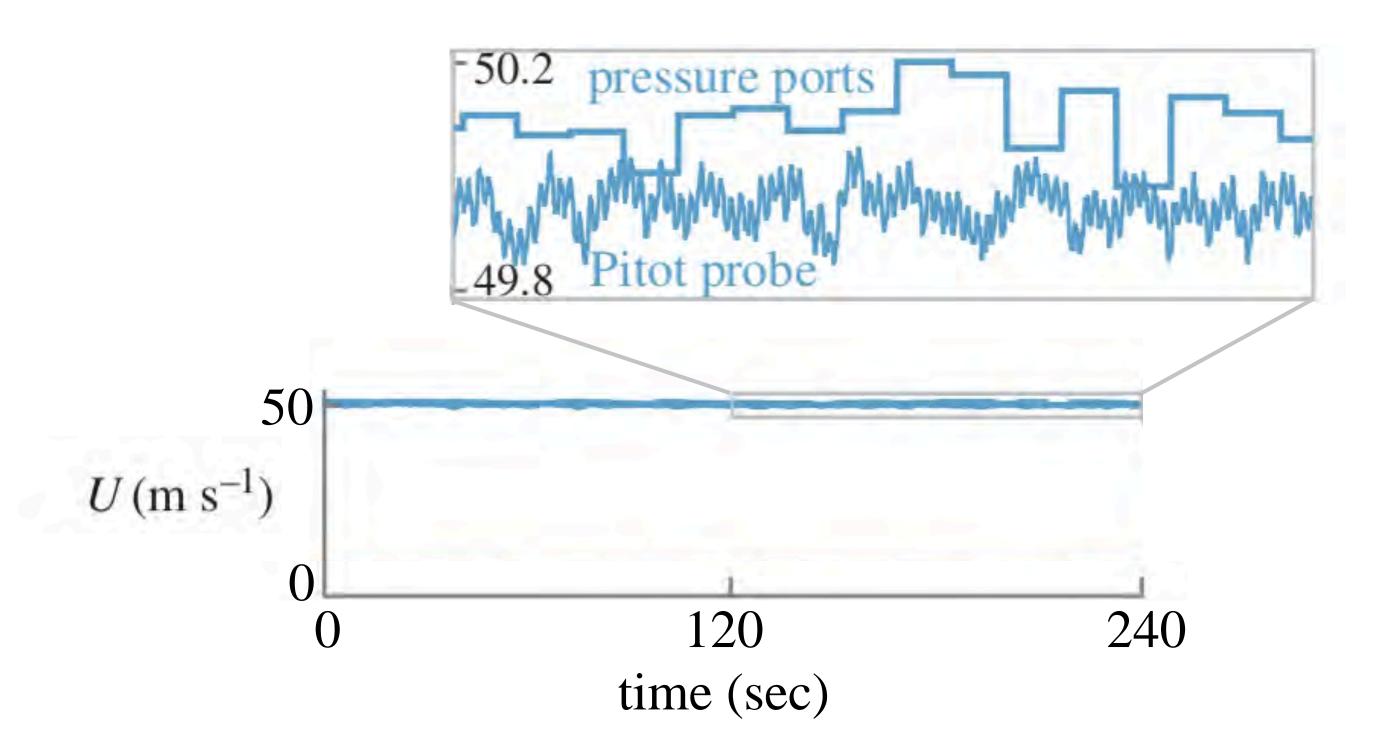
Guideline 3:

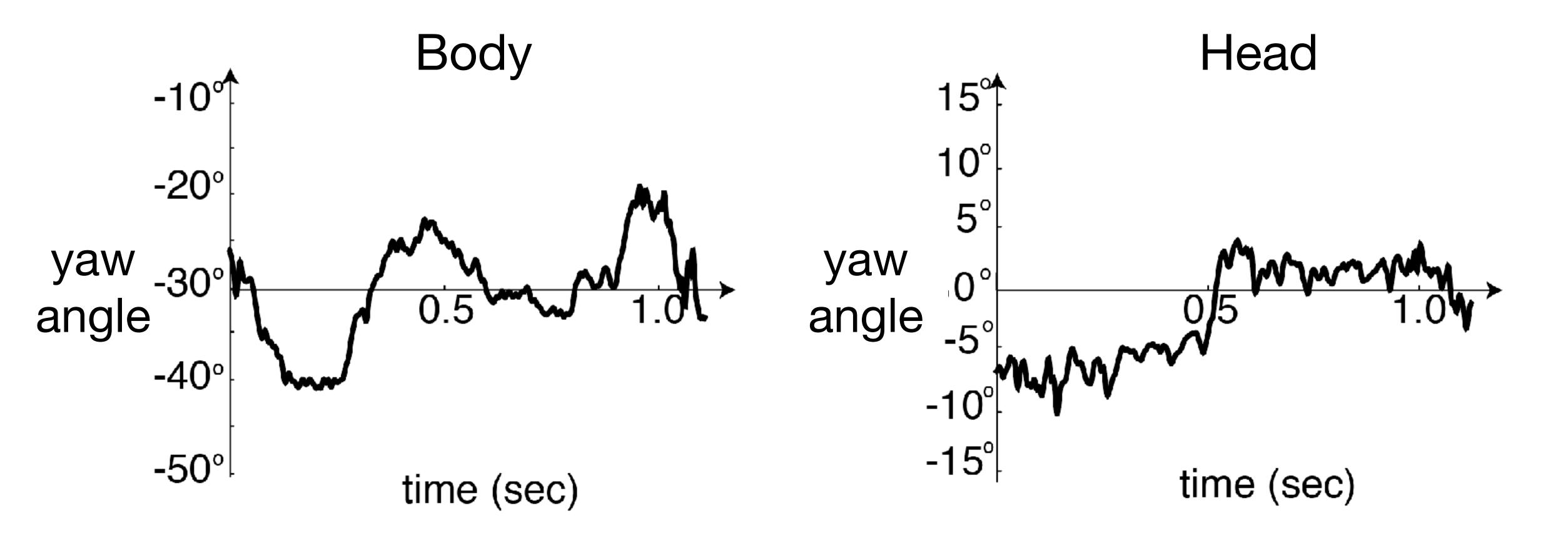
Text should be big, stylized deliberately, consistent, variable-lean, & horizontal

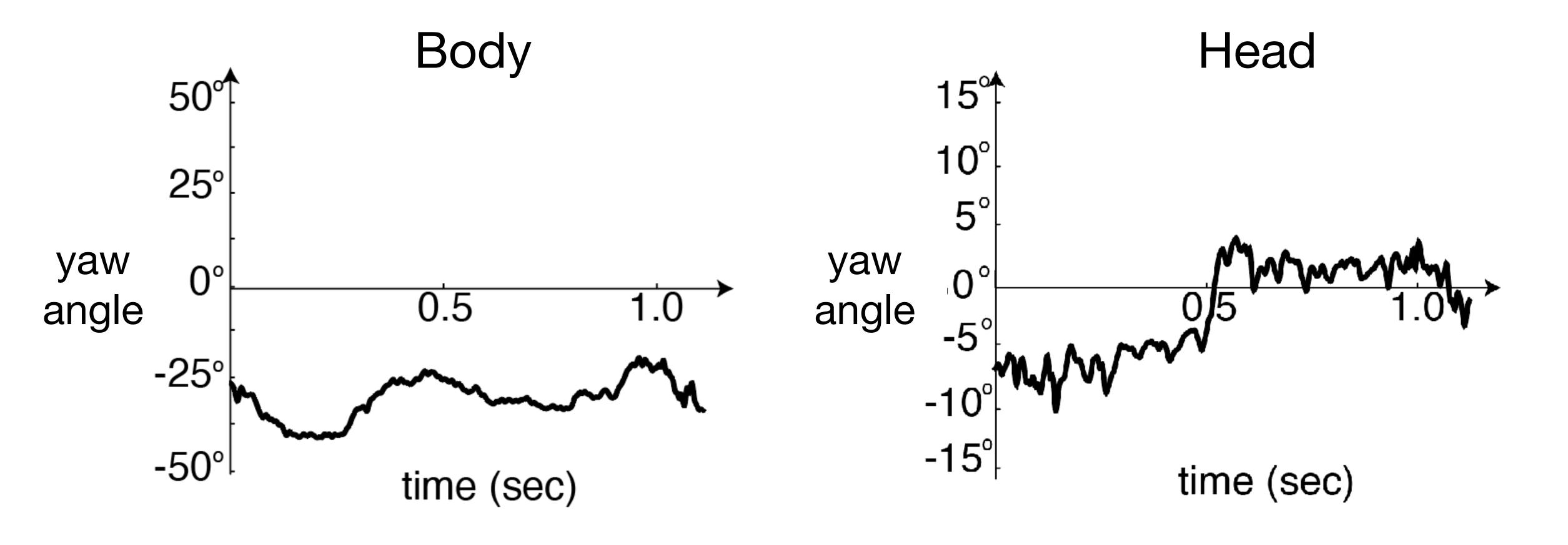


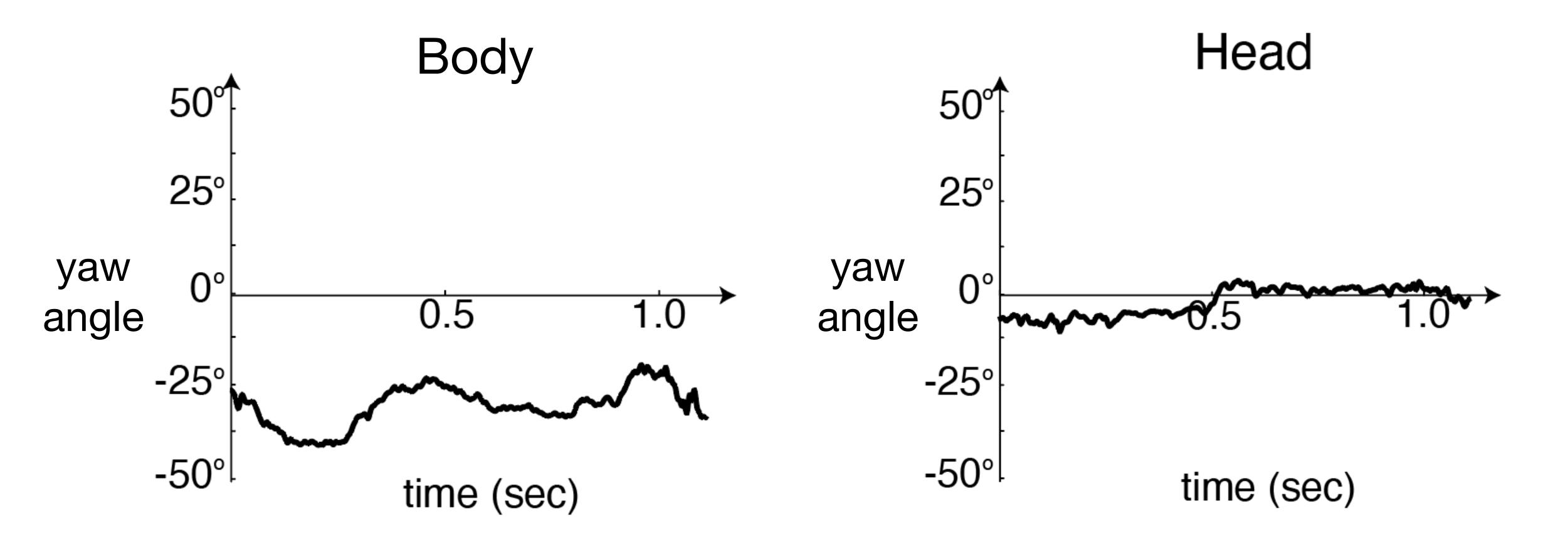


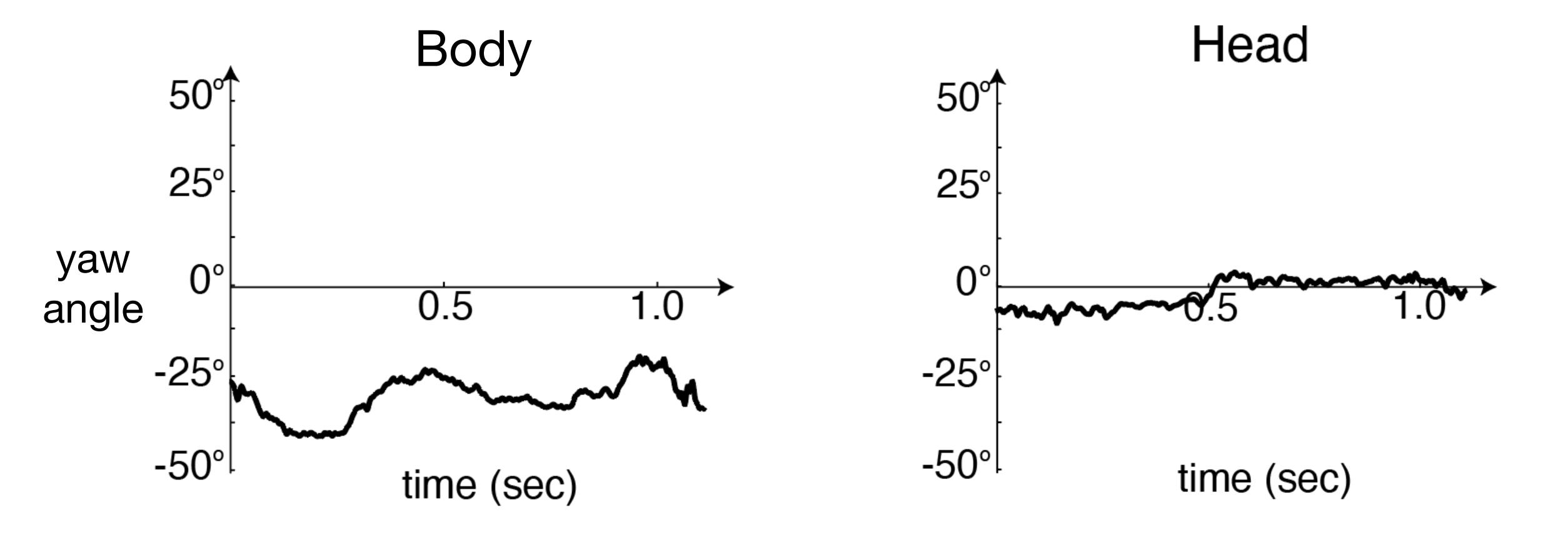


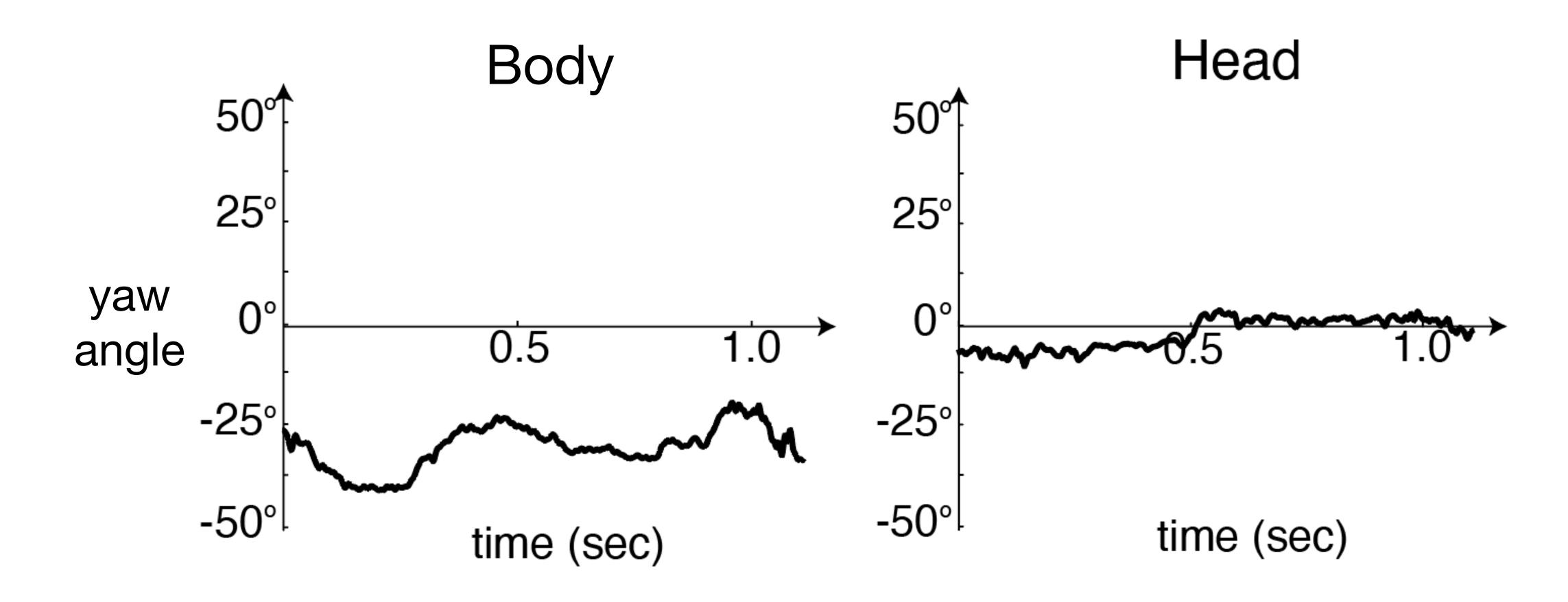


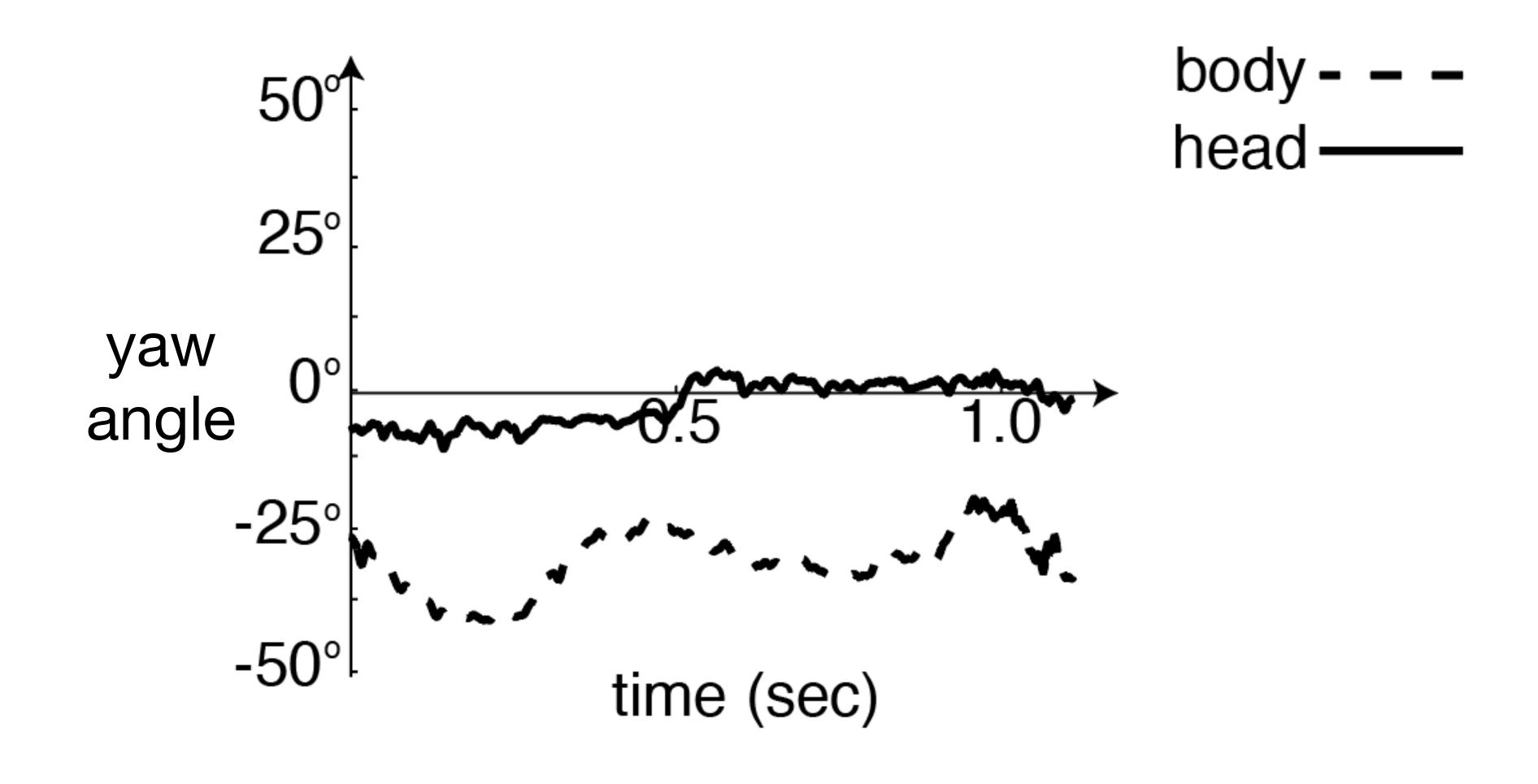


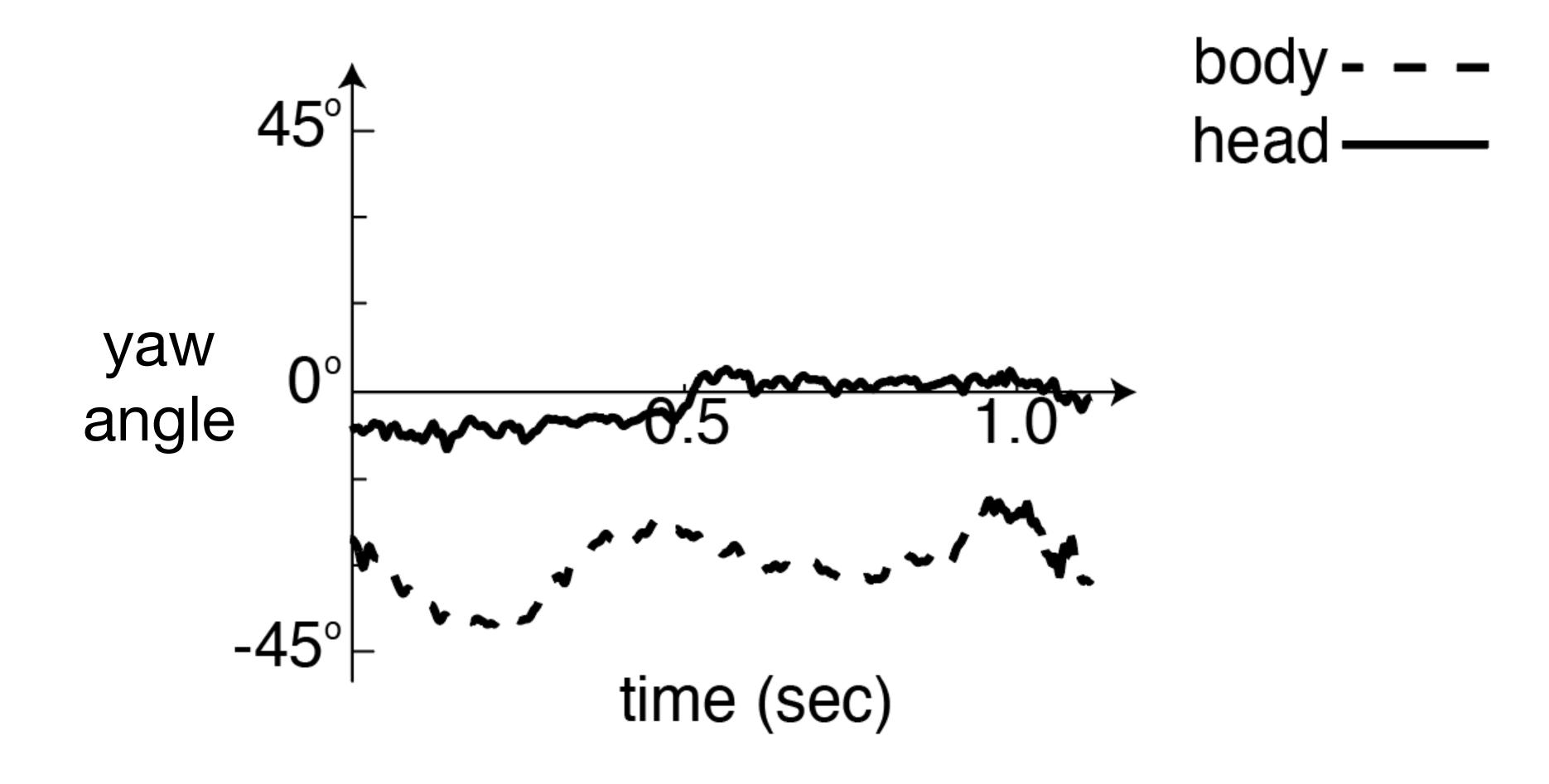


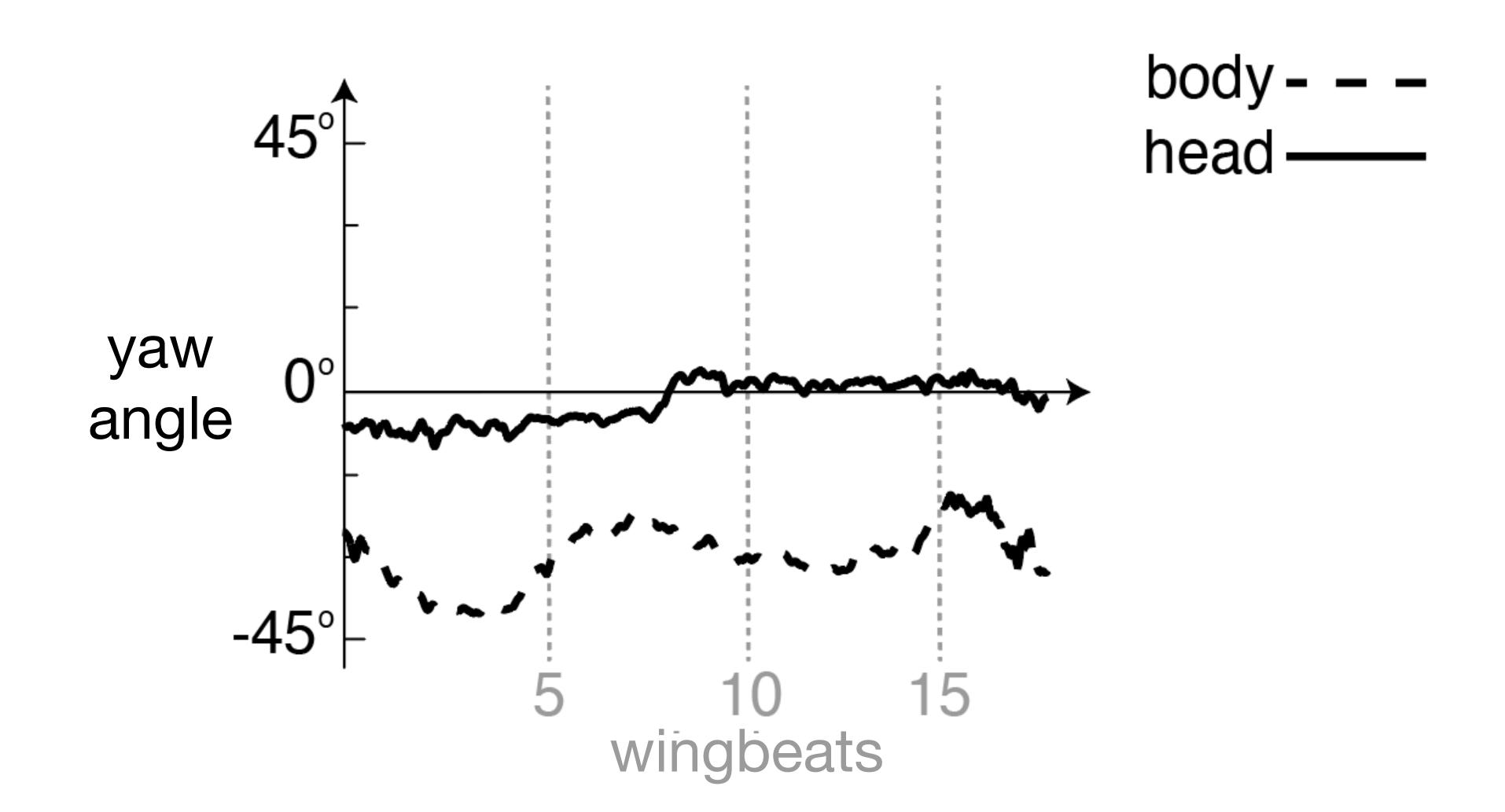












Guideline 4:

Axes should be zeroed, aligned/overlapped, and intuitively ticked

