

Greater Sciatic Notch Variation

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1. Forensic Anthropological Theory

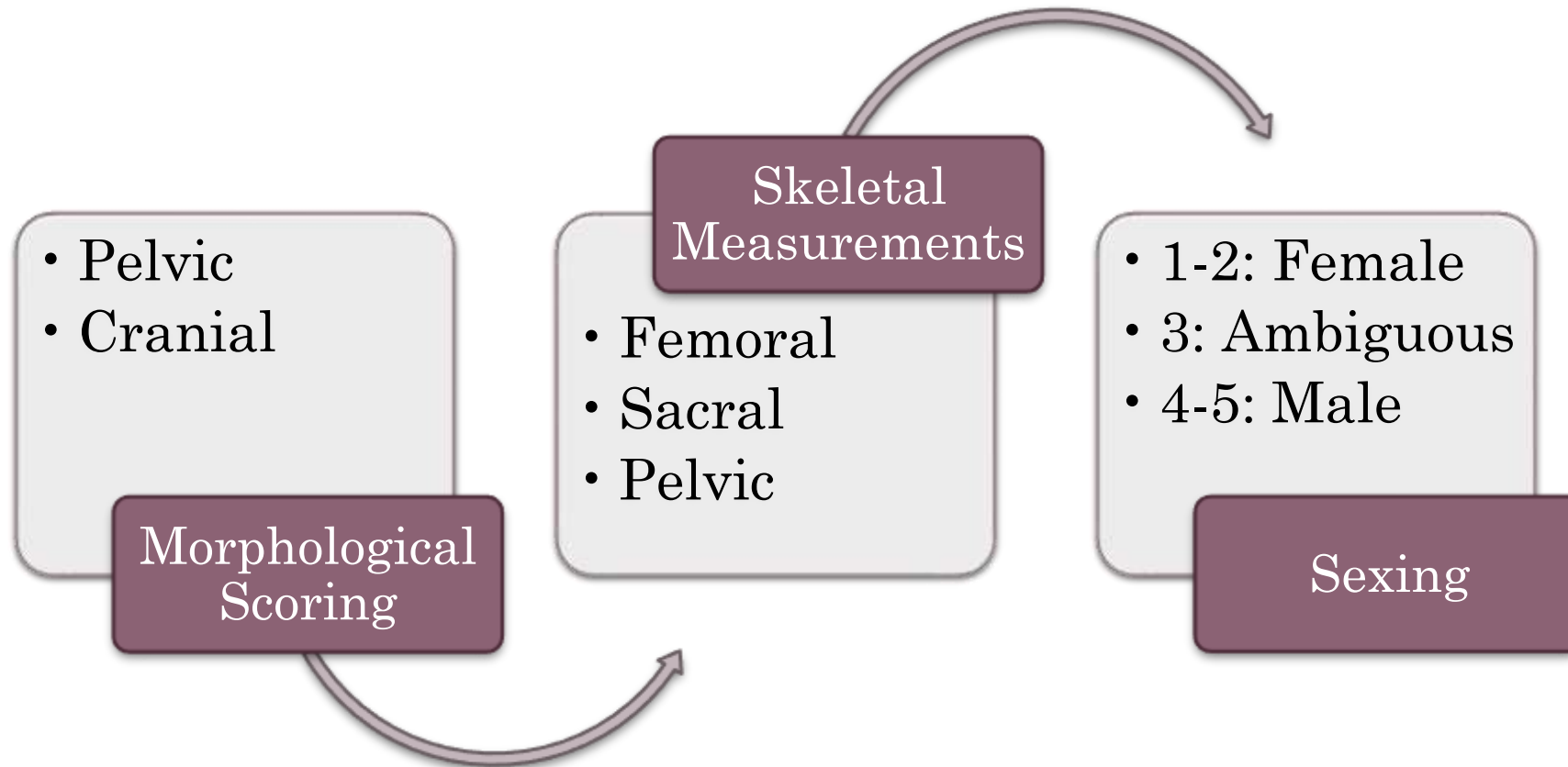
- I. The change of theory since the 1977.
 - I. American Board of Forensic Anthropology
 - I. Biological Profile
 - II. Major theoretical shift
 - I. Six key developments





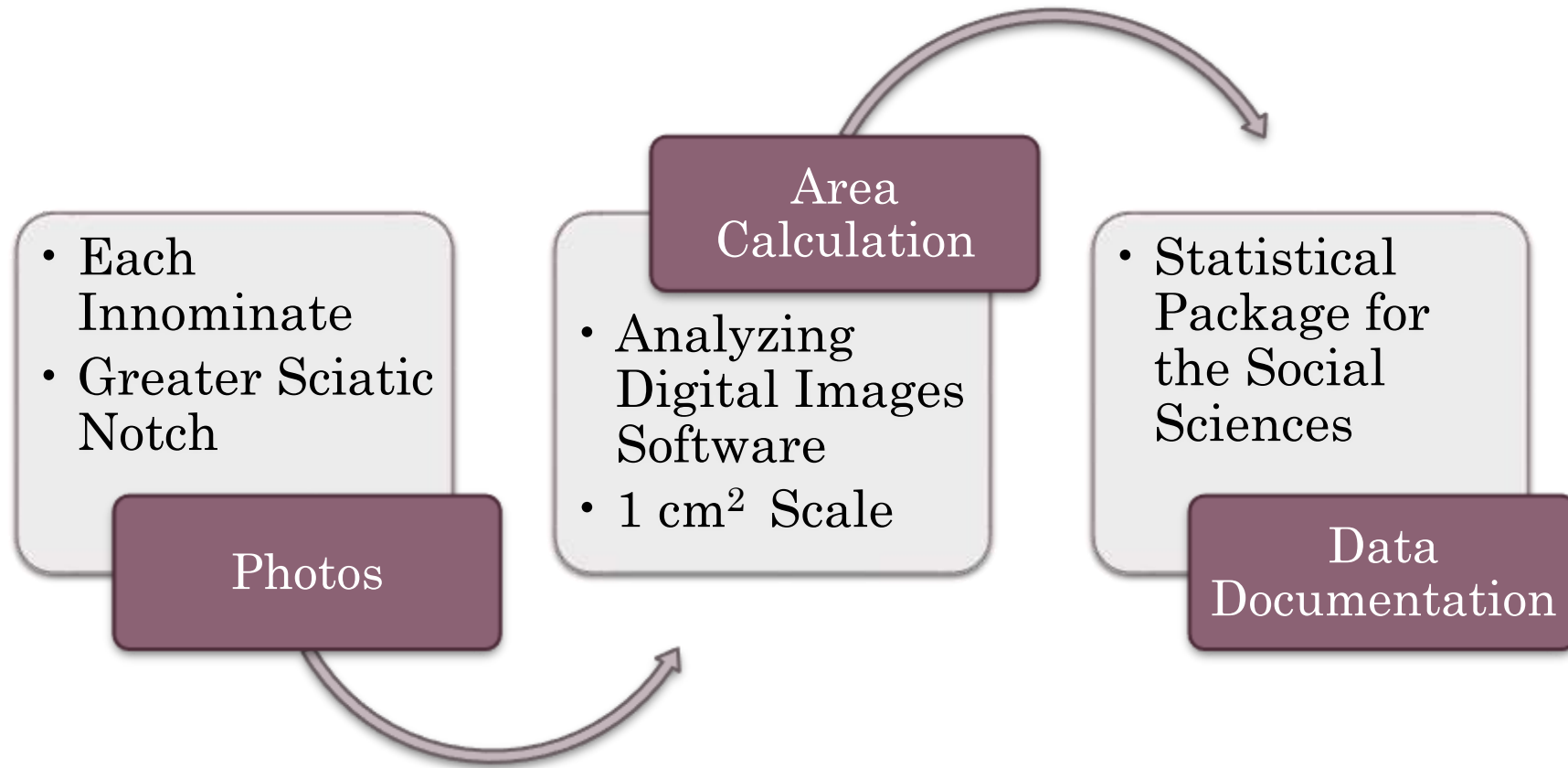
2. Experimental Design and Methodology

I. Primary Methodology



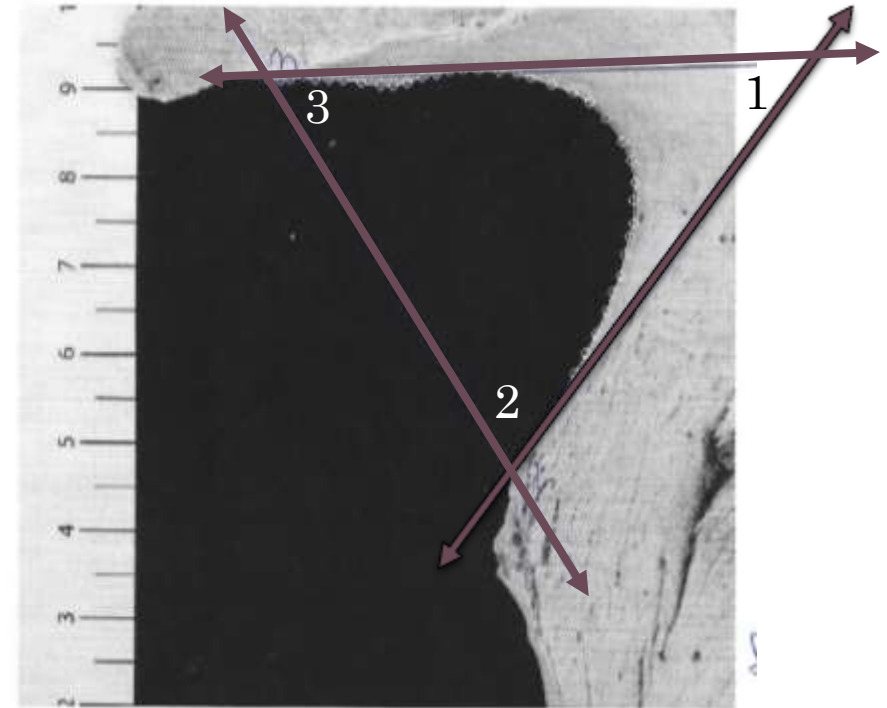
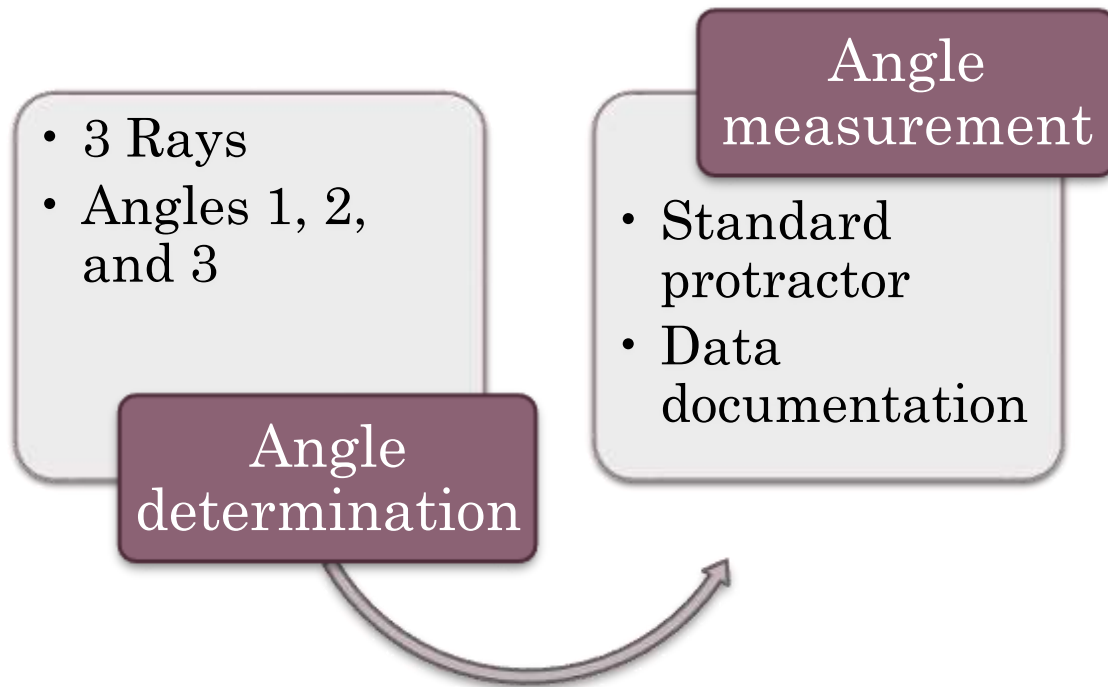
2. Experimental Design and Methodology

I. Hypothesis #1 Methodology



2. Experimental Design and Methodology

I. Hypothesis #2 Methodology





3. Experimental Testing and Results

I. Hypothesis #1

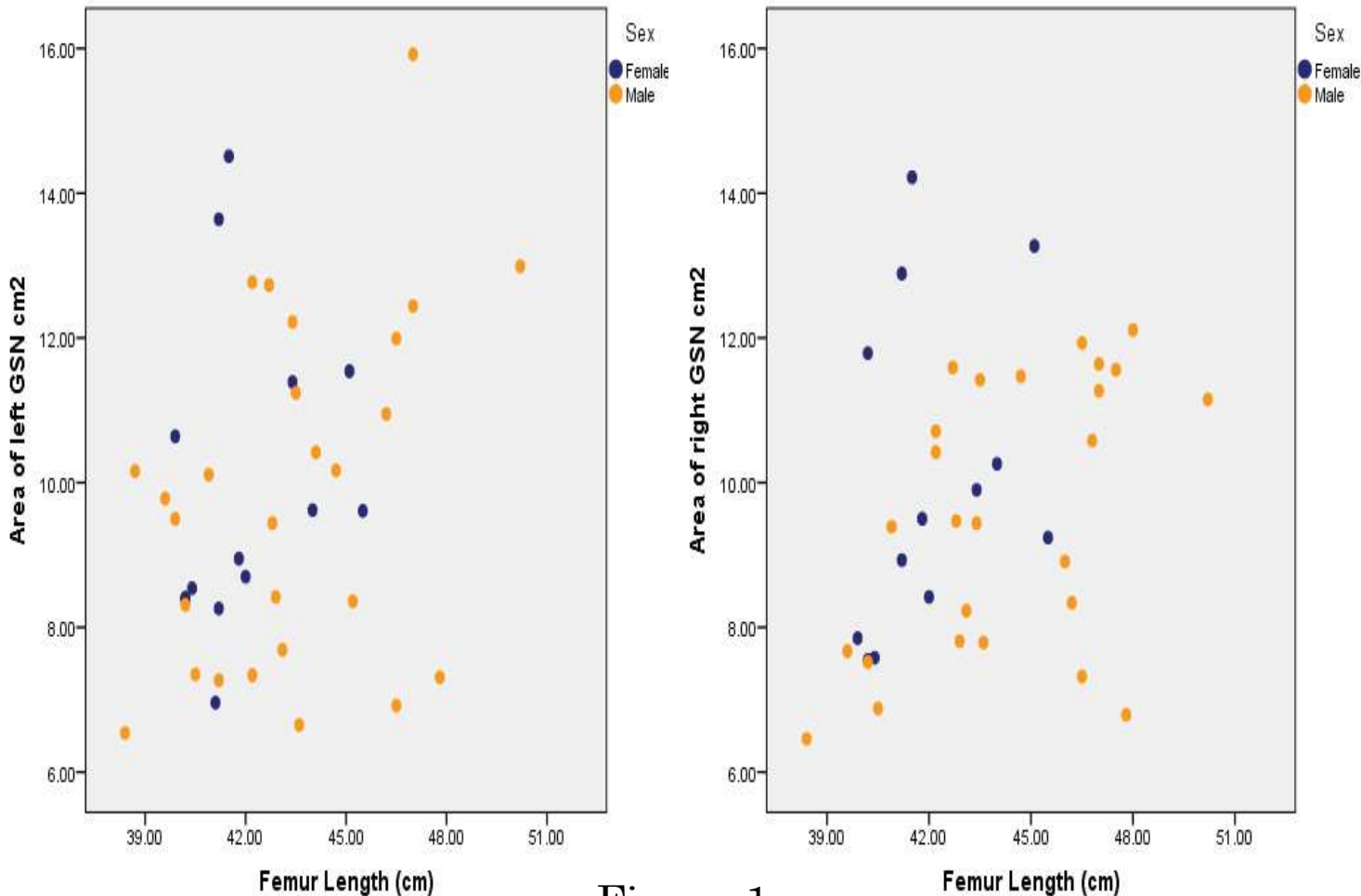


Figure 1

Sample Frequencies		
	Sex	N
Area of left GSN cm2	Female	18
	Male	30
Area of right GSN cm2	Female	16
	Male	28
Total	Right	48
	Left	44

Table 1

t-test for Equality of Means		
		Sig. (2-tailed)
Area of left GSN cm2	E. V. Assumed	.894
	E. V. Not Assumed	.890
Area of right GSN cm2	E. V. Assumed	.423
	E.V. Not Assumed	.443

Table 2

3. Experimental Testing and Results

I. Hypothesis #2

	Cases		
	Included	Excluded	Total
	N	N	N
Left Angle 1 * Sex	52	13	65
Left Angle 2 * Sex	52	13	65
Left Angle 3 * Sex	52	13	65
Right Angle 1 * Sex	48	17	65
Right Angle 2 * Sex	46	19	65
Right Angle 3 * Sex	46	19	65

Table 1

t-test for Equality of Means	Sig. (2-tailed)
Left Angle 1	.000
Left Angle 2	.852
Left Angle 3	.000
Right Angle 1	.000
Right Angle 2	.010
Right Angle 3	.000

Table 3

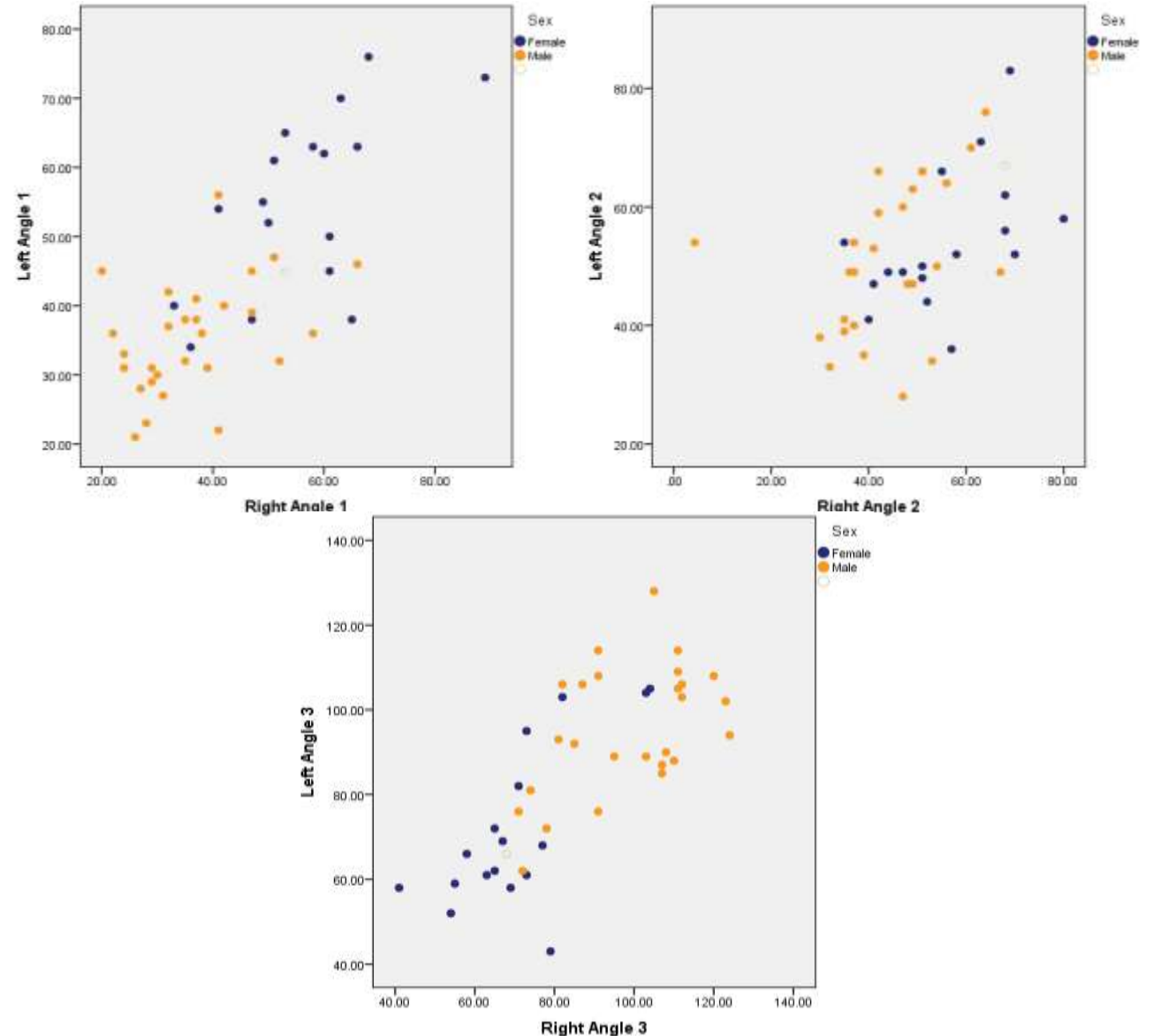


Figure 1

3. Experimental Testing and Results

I. Hypothesis #2

	Angle Sex Estimation
Males	$\leq 40^\circ$
Females	$\geq 40^\circ$

Table 1

	Kappa Statistic
Angle Sex Determination & UW Database	.697

Table 2

	Mean of Angle 1
Males	36°
Females	55°

Table 3

Conclusion

