

Ancestry - Byers (Forensic)

Structure		White	Black	Asian
Nose	<i>Root</i>	High, narrow	Low, rounded	Low, ridged
	<i>Bridge</i>	High	Low	Low
	<i>Spine</i>	Pronounced	Small	Small
	<i>Lower border</i>	Sill	Guttered	Flat, sharp
	<i>Width</i>	Narrow	Wide	Medium
Face	<i>Profile</i>	Straight	Projecting	Intermediate
	<i>Shape</i>	Narrow	Narrow	Wide
	<i>Lower eye border</i>	Receding	Receding	Projecting
	<i>Browridges</i>	Heavy	Small	Small
Vault	<i>Muscle markers</i>	Rugged	Smooth	Smooth
	<i>Vault sutures</i>	Simple	Simple	Complex
	<i>Postbregma</i>	Straight	Depressed	Straight
	<i>Size</i>	Small	Large	Large
Jaws/Teeth	<i>Palate shape</i>	Parabolic	Hyperbolic	Elliptical
	<i>Shovelling</i>	None	None	Present
	<i>Carabelli's cusp</i>	Present	None	None
	Ancestry Assessment			

Ancestry – Bass (Forensic)

Structure		Caucasoid	Negroid	Mongoloid
Nose	<i>Lower edge of piriform aperture</i>	Nasal sill	Nasal guttering	Intermediate
	<i>Opening</i>	Narrow	Large	Intermediate
	<i>Bridge</i>	High	Low	Intermediate
Face	<i>Shape</i>	Long/narrow	Rounded forehead	Flat
	<i>Zygomastics</i>	Retreating	Intermediate	Projecting
	<i>Inferior zygomatic projection</i>	None	None	Below maxilla
	Jaws/Teeth <i>Size</i>	Small, crowded	Large, not crowded	Intermediate, edge-to-edge bite
	<i>Shovelling</i>	None	None	Present
	<i>Carabelli's cusp</i>	Present	Absent	Absent
	<i>Prognathism</i>	Little or none	Present	Little or none
Ancestry Assessment				

Ancestry – Fordisc (Forensic)

* Input your cranial measurements into Fordisc 2.0. Using the discriminant function technique, what racial group did your individual fall within? _____

Discussion

* For your final project, remember that a discussion of ancestry of your skeleton is important. Which of these methods did you use to estimate ancestry? Which do you think is the most accurate? Why?

Stature (Asian Male)

* Measure the maximum lengths of the five major long bones (R humerus, ulna, radius, femur, fibula) in *centimeters* and apply the formulae to arrive at stature estimates. If your skeleton is MALE, use the Asian Male formulae; if FEMALE, use the White Female formulae.

Asian Male	White Female
1. $2.68 \times \underline{\hspace{2cm}} + 83.19 = \underline{\hspace{2cm}} \text{ cm}$ humerus $\times .39 = \underline{\hspace{2cm}} \text{ in}$	1. $3.36 \times \underline{\hspace{2cm}} + 57.97 = \underline{\hspace{2cm}} \text{ cm}$ humerus $\times .39 = \underline{\hspace{2cm}} \text{ in}$
2. $3.54 \times \underline{\hspace{2cm}} + 82.00 = \underline{\hspace{2cm}} \text{ cm}$ radius $\times .39 = \underline{\hspace{2cm}} \text{ in}$	2. $4.74 \times \underline{\hspace{2cm}} + 54.93 = \underline{\hspace{2cm}} \text{ cm}$ radius $\times .39 = \underline{\hspace{2cm}} \text{ in}$
3. $3.48 \times \underline{\hspace{2cm}} + 77.45 = \underline{\hspace{2cm}} \text{ cm}$ ulna $\times .39 = \underline{\hspace{2cm}} \text{ in}$	3. $4.27 \times \underline{\hspace{2cm}} + 57.76 = \underline{\hspace{2cm}} \text{ cm}$ ulna $\times .39 = \underline{\hspace{2cm}} \text{ in}$
4. $2.15 \times \underline{\hspace{2cm}} + 72.57 = \underline{\hspace{2cm}} \text{ cm}$ femur $\times .39 = \underline{\hspace{2cm}} \text{ in}$	4. $2.47 \times \underline{\hspace{2cm}} + 54.74 = \underline{\hspace{2cm}} \text{ cm}$ femur $\times .39 = \underline{\hspace{2cm}} \text{ in}$
5. $2.40 \times \underline{\hspace{2cm}} + 80.56 = \underline{\hspace{2cm}} \text{ cm}$ fibula $\times .39 = \underline{\hspace{2cm}} \text{ in}$	5. $2.93 \times \underline{\hspace{2cm}} + 59.61 = \underline{\hspace{2cm}} \text{ cm}$ fibula $\times .39 = \underline{\hspace{2cm}} \text{ in}$

Overall stature estimation (range): _____ inches