

# Anthropological Analyses

Issue [#1352](#)

## Sex estimation

to do

- Bone types list
- Calculation for sex estimation number

## Sex estimation

in a first version this will be a custom type:

- Female (= -2)
- Female? (= -1)
- Indifferent (= 0)
- Male? (= 1)
- Male (= 2)

## Calculation of sex estimation:

(Bone feature x costum type (female/female?/indifferent/male?/male) x weighting)/sum of weighting entered = sex estimation

Weighting:

Skull

- Glabella x 3
- Arcus superciliaris x 2
- Tuber frontalis and parietalis x2
- Inclinatio frontalis x1
- Processus mastoideus x3
- Relief of planum nuchale x3
- Protuberantia occipitalis externa x2
- Processus zygomaticus x3
- Os zygomaticum x2
- Crista supramastoideum x2
- Margo supraorbitalis x1
- Shape of orbita x1

Mandible

- Overall apperence x3
- Mentum x2
- Angulus x1
- Margo inferior (M2) x1
- Angle x1

Pelvis

- Sulcus praeauricularis x3
- Incisura ischiadica major x3
- Angulus pubis x2
- Arc composé x2
- Os coxae x2
- Foramen obturatum x2
- Corpus ossis ischii x2
- Crista iliaca x1
- Fossa iliaca x1
- Pelvis major x1

- Auricular area x1
- Sacrum x1
- Fossa acetabuli x1

#### Robusticity

- Humerus x1
- Femur x1

#### Result:

Sex estimation:  $-2$  to  $-0,7$  = female,  $-0,69$  to  $-0,31$  = possibly female,  $-0,3$  to  $0,3$  = indifferent,  $0,31$  to  $0,69$  = possibly male,  $0,7$  to  $2$  = male