


Leslie Cram

Teitl Swydd: Ceidwad Amgueddfa Archeolegol (wedi ymddeol)
Cymwysterau: BA mewn Archeoleg (Prifysgol Caergrawnt)

Rwyf wedi defnyddio fy nghefnidir mathemategol mewn amrywiaeth o ffyrdd. Yn gyntaf, mae gallu defnyddio ystadegau yn gwneud astudiaeth o'r gorffennol ar gael i bawb, yn hytrach na gorfod dibynnu ar farn arbenigwr.

Yn fwy uniongyrchol, rwyf i wedi'i defnyddio i ddatrys cwestiynau fel 'Pa mor fawr oedd cŵn Rhufeinig?' Gellir canfod uchder ar yr ysgwydd drwy fesur asgwrn hir fel y forddwyd (asgwrn uchaf y goes) a defnyddio fformiwla sydd eisoes yn bodoli. Ffordd arall yw mesur



“Defnyddiais fathemateg i ddatrys cwestiynau megis ‘Pa mor fawr oedd cŵn Rhufeinig?’”

lled yr ôl sydd wedi ei adael gan droed ci ym mrciau a theils gwlyb cyfnodau Rhufeinig cyn iddynt gael eu tanio a'u defnyddio mewn adeiladau. Euthum i gytiau cŵn gyda slabiau o glai gwlyb a chael y cŵn i gerdded dros y clai a gadael ôl eu pawennau yn y clai ac yna mesur uchder y ci ar yr ysgwydd. Roedd rhai cŵn Rhufeinig o faint ci Pecini, a rhai o faint blaidd. Wrth gwrs gallai'r esgyrn mwyaf fod yn rhai bleiddiaid ond nid oes gobaith y byddai bleiddiaid wedi crwydro dros deils oedd yn sychu.

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Job Title: Museum Archeological Curator (retired)
Qualifications: BA Archaeology (University of Cambridge)

I have used my mathematical background in a variety of ways. Firstly, being able to use statistics makes study of the past available to all, rather than having to depend upon the judgement of an expert.

More directly, I used it to work out questions such as 'How big were Roman dogs?' Height at the shoulder can be found by measuring a long bone such as the femur (upper leg bone) and using a formula already in existence. Another way is to measure the width of the track



“I used maths to work out questions such as ‘How big were Roman dogs?’”

left by the foot of a dog in the wet bricks and tiles of Roman times before they were fired and then used in buildings. I went to a dog kennels with slabs of wet clay and got the dogs to walk over the clay and leave me their paw prints and then measured the height of the dogs at the shoulder. Some Roman dogs were the size of a Pekinese, some approached wolf size. Of course the largest bones could be of wolf but there is no way that wolves wandered over drying tiles.