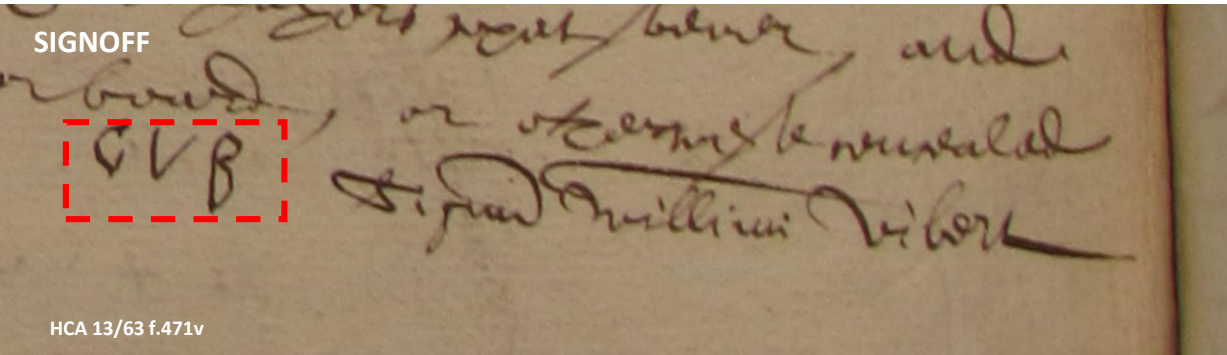
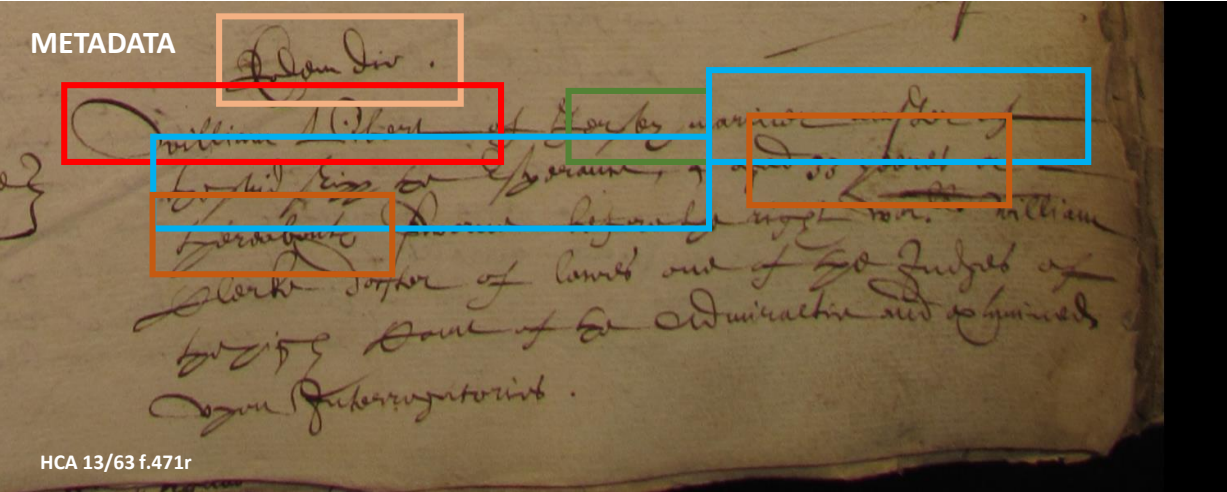
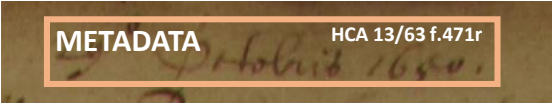




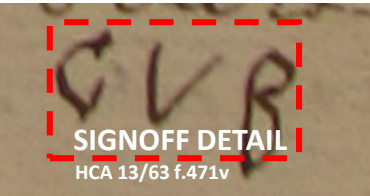
# ArchiveBots

Thursday, September 2018

# Imagine an ArchiveBot extracting metadata automatically from handwritten manuscripts and working with volunteers to finalise



|             |           |             |            |
|-------------|-----------|-------------|------------|
| <div></div> | Date      | <div></div> | Occupation |
| <div></div> | Name      | <div></div> | Age        |
| <div></div> | Residence | <div></div> | Signoff    |



William Vibert (Guillaume Vibert) was a thirty-three year old mariner from the isle of Jersey, who was master of the ship the *Esperansa*.

He signed his deposition in the English High Court of Admiralty on October 29<sup>th</sup> 1650, using three not two initials.

The choice of “G”, “V” and “B” for initials suggests he thought of himself and pronounced his name as “Guillaume Vee Bert” (though he could not write a full signature)

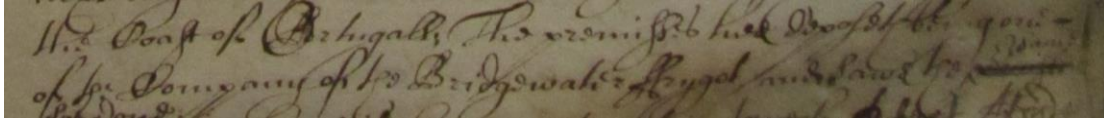
- Challenge for a Bot
- (1) Find the date of the deposition (it is at the top of the same manuscript page above the preceding deposition)
  - (2) Deal with the interlineation in the metadata
  - (3) On the next manuscript page, recognise “GVB” are initials not a marke. The “G” is quite tough (easy to mistake for “C”). Yes, they are recognisable letters, but the three don’t match the two names “William Vibert”. Need to know William – Guillaume in French, and that mariners in Jersey may be born in France and French speaking.

Source: [http://www.marinelives.org/wiki/HCA\\_13/63\\_f.471r\\_Annotate](http://www.marinelives.org/wiki/HCA_13/63_f.471r_Annotate);  
[http://www.marinelives.org/wiki/HCA\\_13/63\\_f.471v\\_Annotate](http://www.marinelives.org/wiki/HCA_13/63_f.471v_Annotate)

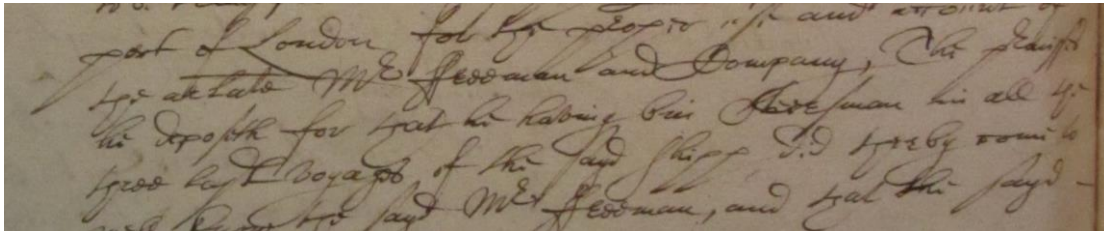


# Can we use key word spotting to excavate raw metadata?

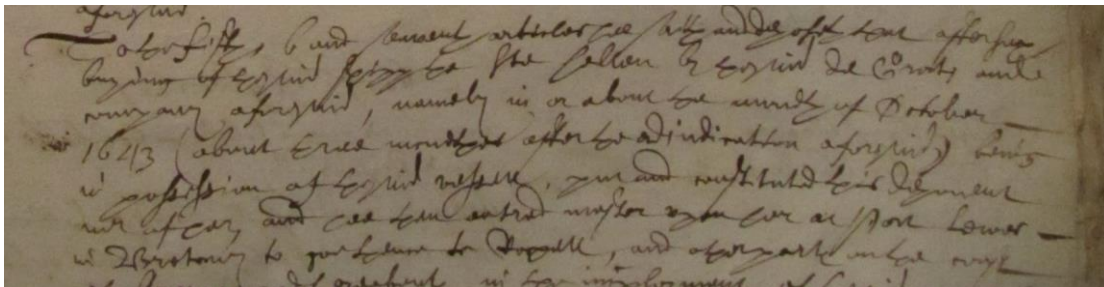
## LANGUAGE DENOTING OCCUPATION



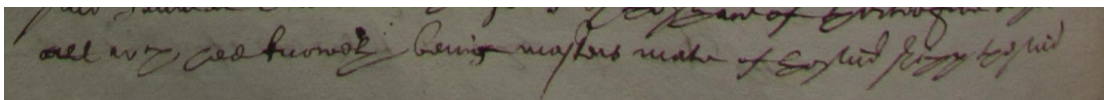
"The premisses hee deposeth being one of the company of the *Bridgewater ffrygott*, and sawe the same soe done" [HCA 13/72 f.90r] [CONCLUSION: One of the company]



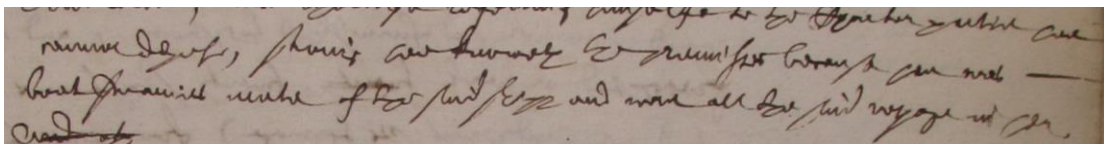
"The premisses he deposeth for that he the deponent was not onely for the voyage aflate wherein she was stranded, but in two former voyages stiersman of the sayd ship" [HCA 13/72 f.90v] [CONCLUSION: Steersman]



"after such buying of the said shipp the *Santa Hellen* by the said da [?Groots] and company aforesaid, namely in or about the moneth of October 1643 (about three monethes after the adiudication aforesaid) being in possession of the said vessell, put and constituted this deponent master of her, and hee then entred master upon her at Port Lewes in Bretany" [HCA 13/72 f.95r] [CONCLUSION: Master]



"all which hee knoweth being masters mate of the said shipp the said voyage" [HCA 13/70 f.669v] [CONCLUSION: Master's mate]



"hee knoweth the premisses because hee was boatswaines mate of the said shipp and went all the said voyage in her" [HCA 13/70 f.671r] [CONCLUSION: Boatswain's mate]

# Can we refine raw machine generated metadata using a combination of NPL, controlled vocabularies, and programmable decision rules?



## LANGUAGE DENOTING OCCUPATION

“The premisses hee deposeth being one of the company of the *Bridgewater ffrygott*, and sawe the same soe done”  
[HCA 13/72 f.90r] [CONCLUSION: One of the company]

“The premisses he deposeth for that he the deponent was not onely for the voyage arlate wherein she was stranded, but in two former voyages stiersman of the sayd ship” [HCA 13/72 f.90v] [CONCLUSION: Steersman]

“after such buying of the said shipp the *Santa Hellen* by the said da [?Groots] and company aforesaid, namely in or about the moneth of October 1643 (about three monethes after the adiudication aforesaid) being in possession of the said vessell, but and constituted this deponent master of her, and hee then entred master upon her at Port Lewes in Bretany” [HCA 13/72 f.95r] [CONCLUSION: Master]

“all which hee knoweth being masters mate of the said shipp the said voyage” [HCA 13/70 f.669v] [CONCLUSION: Master’s mate]

“the premisses because hee was boatswaines mate of the said shipp and went all the said voyage in her” [HCA 13/70 f.674r] [CONCLUSION: Boatswain’s mate]

|  |           |               |  |
|--|-----------|---------------|--|
| KaggleTestSnippet_HCA_1370_f.546r.PNG          | HCA 13/70 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1370_f.571v.PNG          | HCA 13/70 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1370_f.596v_One.PNG      | HCA 13/70 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1370_f.636r.PNG          | HCA 13/70 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1370_f.671v.PNG          | HCA 13/70 | Marke         | Mariner; Boatswain's mate                  |
| KaggleTestSnippet_HCA_1368_f.631v.PNG          | HCA 13/68 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1371_f.27r.PNG           | HCA 13/71 | Initials      | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1371_f.27v_One.PNG       | HCA 13/71 | Initials      | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1371_f.27v_Two.PNG       | HCA 13/71 | Initials      | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1368_f.640r.PNG          | HCA 13/68 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1368_f.667r.PNG - CREATE | HCA 13/68 | Signature     | Mariner; Boatswain [of the Civill Society] |
| KaggleTestSnippet_HCA_1371_f.77v.PNG           | HCA 13/71 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1370_f.378r.PNG          | HCA 13/70 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1371_f.99r.PNG           | HCA 13/71 | Signature and | Mariner; Boatswain [of man of war]         |
| KaggleTestSnippet_HCA_1370_f.484v.PNG          | HCA 13/70 | Signature     | Mariner; Quartermaster; Boatswain          |
| KaggleTestSnippet_HCA_1371_f.199v.PNG          | HCA 13/71 | Signature     | Mariner; Boatswain                         |
| KaggleTestSnippet_HCA_1371_f.167r.PNG          | HCA 13/71 | Signature     | Mariner; Boatswain [of the John and Mary]  |
| KaggleTestSnippet_HCA_1371_f.279r.PNG          | HCA 13/71 | Signature     | Mariner; Boatswain                         |

| File name-HC                          | Volume    | Type      | Occupation         | Monthly | Yearly | Country of               | Street/Parish | Parish | Town     | County | Year of | Estimated | Deposited | Year of | Witness | Last name |
|---------------------------------------|-----------|-----------|--------------------|---------|--------|--------------------------|---------------|--------|----------|--------|---------|-----------|-----------|---------|---------|-----------|
| KaggleTestSnippet_HCA_1370_f.120r.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 47      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 48      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Initials  | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 49      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 50      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 51      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 52      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 53      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 54      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 55      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 56      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 57      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 58      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 59      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 60      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 61      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 62      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 63      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 64      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 65      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 66      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 67      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 68      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 69      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 70      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 71      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 72      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 73      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 74      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 75      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 76      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 77      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 78      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 79      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 80      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 81      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 82      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 83      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 84      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 85      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 86      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 87      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 88      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 89      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 90      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 91      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 92      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 93      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 94      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 95      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 96      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 97      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 98      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 99      | 1644      | 1647      | John    | Boater  |           |
| KaggleTestSnippet_HCA_1370_f.120v.PNG | HCA 13/70 | Signature | Mariner; Boatswain | April   | 1643   | United Provinces (Dutch) |               |        | Flushing |        | 100     | 1644      | 1647      | John    | Boater  |           |

# An ArchiveBot would need to be able to read manuscript text from the main body of legal depositions, not just the front matter at the start of a deposition



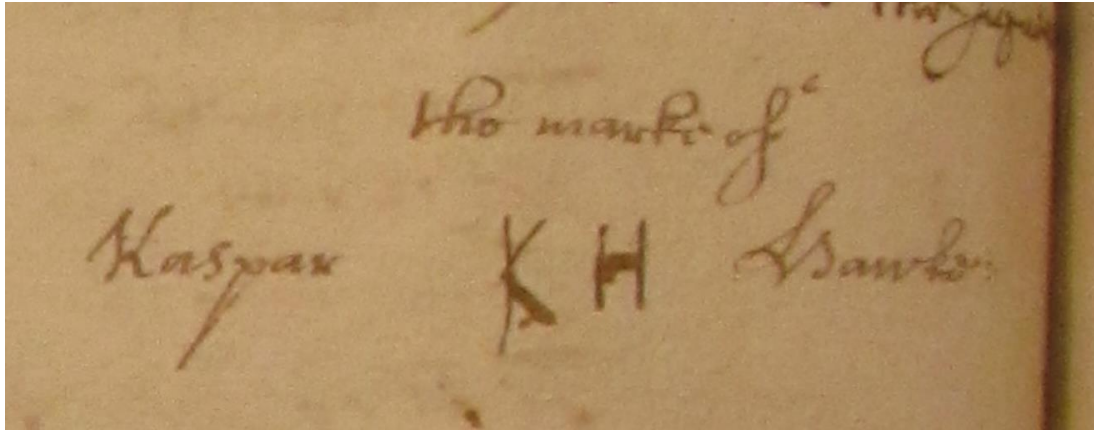
| Table 21.1: Extract from occupational data sub-set in SOLM-2018 data set                          |  |  |  |
|---|--|--|--|
| Data as of 11/09/2018   |  |  |  |
| Occupations [Synthesised]   | Occupations stated in main metadata                    | Additional occupations & titles in body of deposition                            | Stated activities in body of text                      |
| <b>BOATSWAINS</b>   |  |  |  |
| Seaman; Commonman [outwards]; Boatswain [return]  | Seaman   | Commonman [outwards]; Boatswain [return]   |  |
| Nauta [mariner]; Coxwain [outwards] [on Thomas and John]; Boatswain [return] [on Thomas and John] | Nauta [mariner]  | Coxwain [outwards] [on Thomas and John]; Boatswain [return] [on Thomas and John] |  |
| Nauta [mariner]; Boatswain's mate [of Thomas and John]; [?Part-owner of ship Thomas and John]     | Nauta [mariner]; Boatswain's mate [of Thomas and John] | [?Part-owner of ship Thomas and John]  |  |
| Nauta [mariner]; Boatswain [of the Samuel and Mary]   | Nauta [mariner]; Boatswain [of the Samuel and Mary]    |  |  |
| Nauta [mariner]; Boatswain [of the Mathewe]   | Nauta [mariner]; Boatswain [of the Mathewe]            |  |  |
| Mariner; Boatswain [of the Hopewell]; One of the company [of the Hopewell]                        | Mariner; Boatswain [of the Hopewell]                   | One of the company [of the Hopewell]   |  |
| Mariner; Boatswain [of the Hawke of Stockholm]  | Mariner  | Boatswain [of the Hawke]   |  |
| Mariner; Boatswain [of the herring busse the Liesda]  | Mariner; Boatswain [of the herring busse the Liesda]   |  |  |
| Mariner; Boatswain [of the Pearce]  | Mariner; Boatswain [of the Pearce]                     |  |  |
| Mariner; Boatswain [of the Saint John]  | Mariner; Boatswain [of the Saint John]                 |  |  |
| Mariner; Boatswain [of the Liesde]; One of the company [of the Liesde]                            | Mariner  | Boatswain [of the Liesde] One of the company [of the Liesde]                     |  |
| Mariner; Boatswain [of the Recovery]  | Mariner; Boatswain [of the Recovery]                   |  |  |
| Boatswain [of the Arke]   | Boatswain [of the Noahs Arke or Arke]                  |  |  |
| <b>RANDOM SELECTION OF OCCUPATIONS</b>  |  |  |  |
| Waterman  | Waterman   |  | Being aboard the Saint Christofer                      |
| ?   | ?  |  | Bound in a bond  |
| Mariner; Sopra cargo; Steward [of unnamed ship]   | Mariner  | Sopra cargo; Steward [of unnamed ship]   | Has used the Virginia trade for 16 years               |
| Haberdasher; Citizen  | Haberdasher; Citizen                                   |  | Involved in arbitration                                |
| Merchant  | Merchant   |  | Kept accounts for Mr William Bewly, merchant of London |
| Merchant; Servant [to William Brugg]  | Merchant   | Servant  | Kept his bookes [of William Brugg]                     |
| Merchant cashier [to merchant]  | Merchant cashier                                       |  | Made entries in books of accounts                      |
| Mariner; Master's mate [of the Advantage frigot]  | Mariner; Master's mate [of the Advantage frigot]       |  | Present at taking of the Golden Starr                  |
| Sailor  | Sailor   |  | Put on board captured ship                             |
| Cooper [on shore]   | Cooper [on shore]                                      |  | Taking up oiles  |
| Sailor; Worked on building of ship [the Great Christofer]   | Sailor   |  | Worked on building of ship [the Great Christofer]      |

Note four out of thirteen boatswains identified here are described simply as seaman, nauta or mariner in the legal front matter

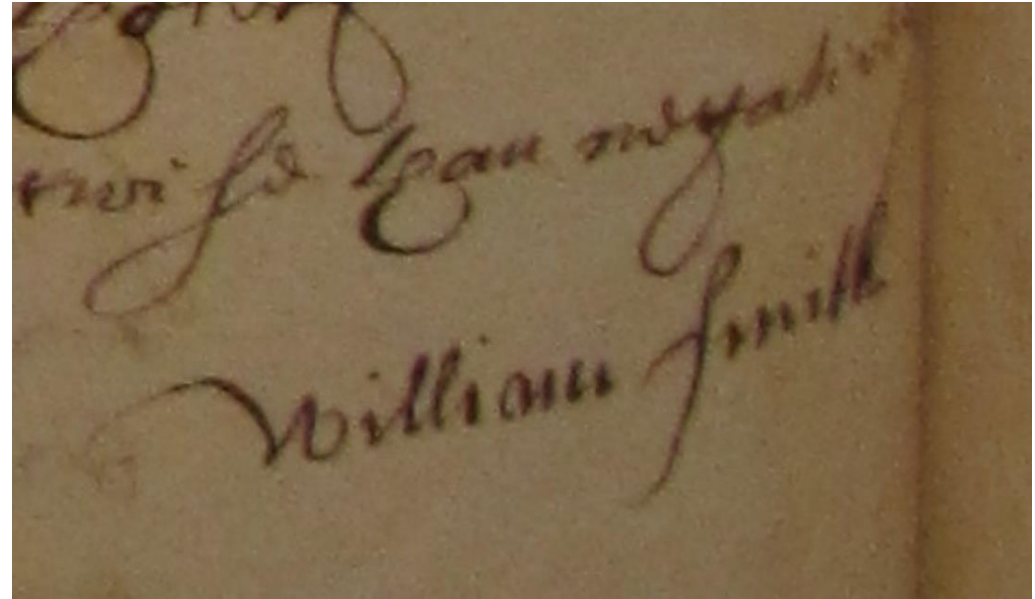
Note information on activities of deponents in main body of text helps clarify and refine the main occupational descriptions



# Mismatch between English rendition of names in front matter and initials and signatures made by non-native English speakers at end of deposition

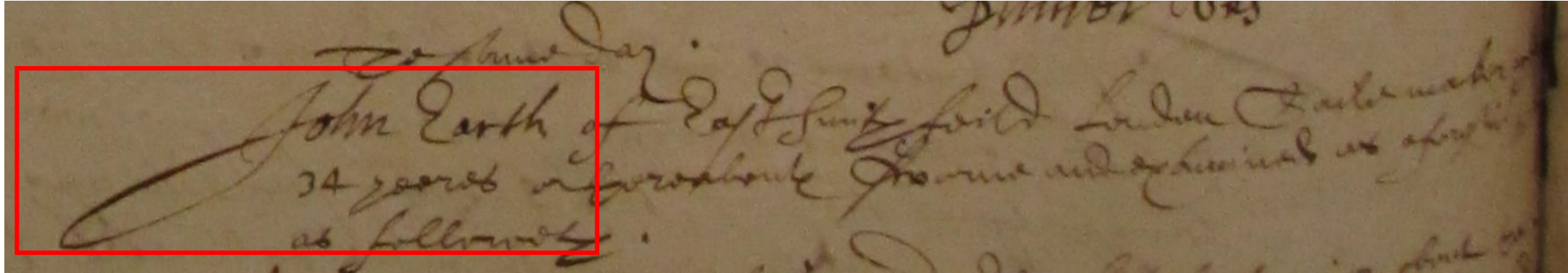


Front matter: Gaspar Hawke  
Initials: KH [Kaspar Hawke]

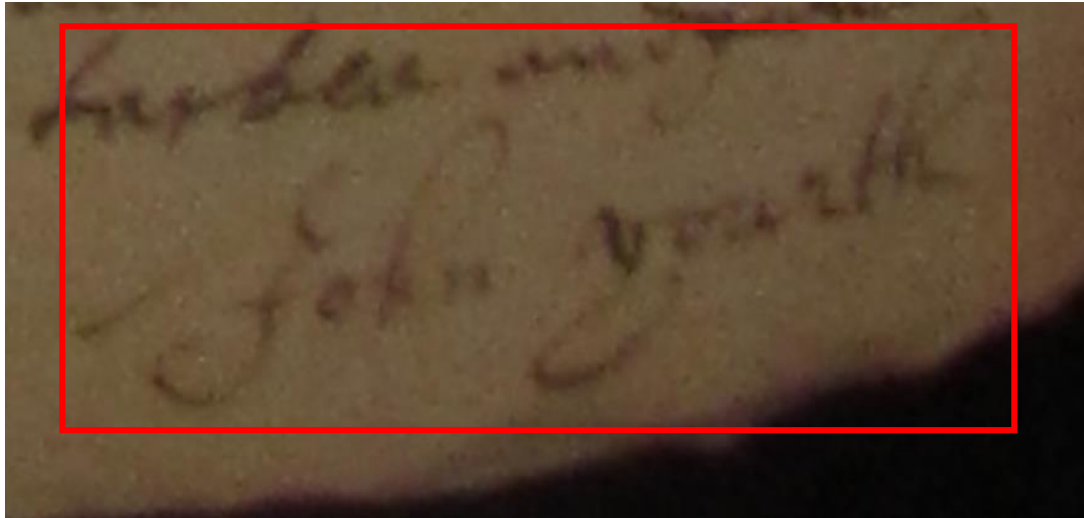


Front matter: William de Smitt  
Signature: William Smith

# Phonetic difference between versions of signatures in legal documents



John Earth of East London Charter master  
34 years of age and a bachelor as appears  
as follows.



John Yearth

Front matter: "John Earth"  
Signature: "[?John Yearth]"

# Occupations in front matter associated with “One of the company” in body of text

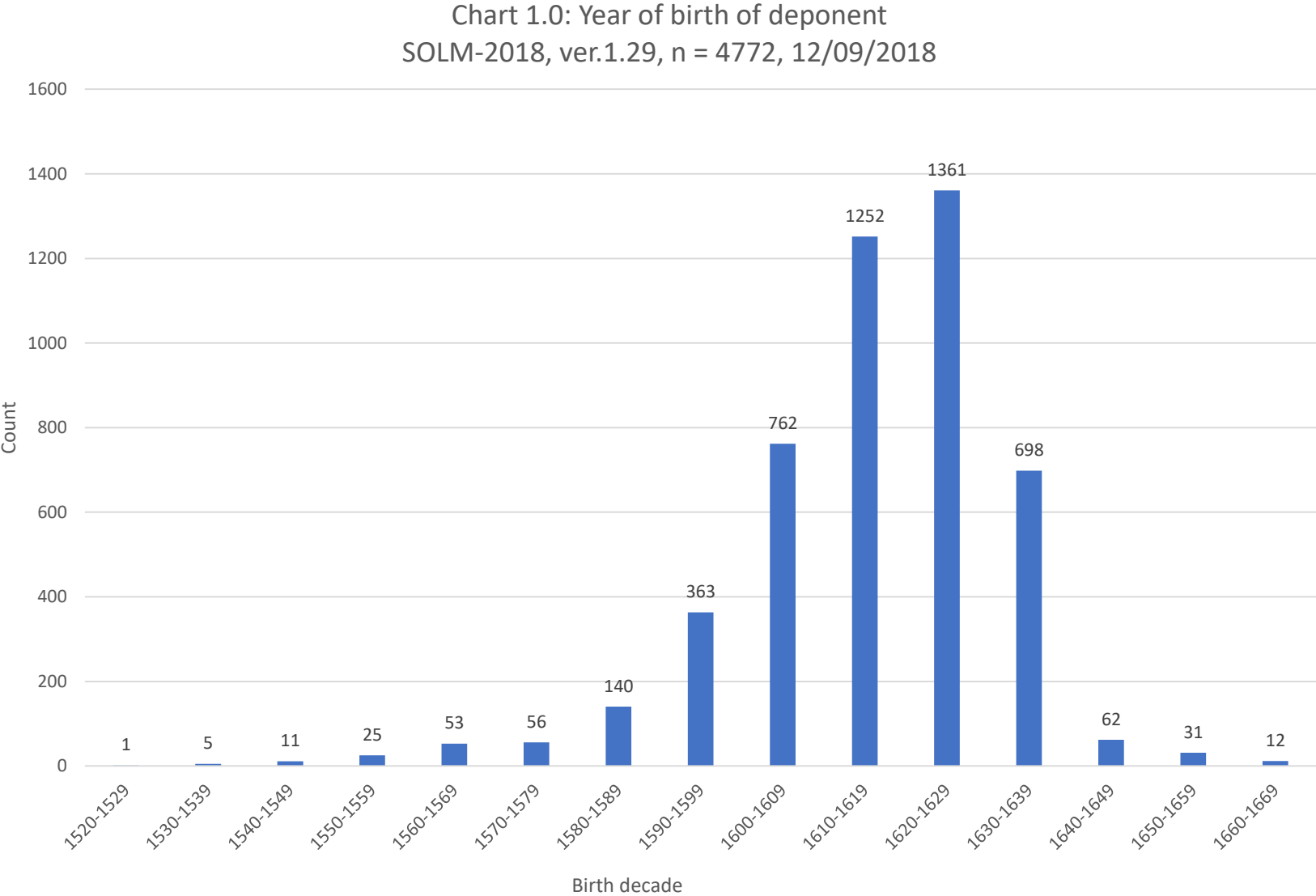


| Table 21.2: Extract from occupational data sub-set in SOLM-2018 data set         |  |
|--|--|
| Occupations in front matter associated with “One of the company” in body of text |  |
| Data as of 12/09/2018  |  |
| Occupations stated in main metadata  | Additional occupations & titles in body of deposition  |
| Carpenter [on ship] [of the Great Christopher]                                   | One of the company [of the Great Christofer]   |
| Mariner  | Boatswain [of the Liesde]; One of the company [of the Liesde]  |
| Mariner  | Foremastman; One of the company  |
| Mariner  | One of the company   |
| Mariner  | One of the company [of the Peter and Jane, burthen = 250 tons]; Prisoner [in Lisbon]   |
| Mariner  | One of the company [of the ffreetrade]   |
| Mariner  | One of the company   |
| Mariner  | One of the company; Cooke [cook]   |
| Mariner  | One of the company; Common man of the company  |
| Mariner  | One of the company [of the Olive Branch]; Master [of the Olive Branch, on death of its master during voyage]   |
| Mariner  | One of the company [of the John]; Steersman [of a Spanish man of war, the Angell, under a Claes Johnson]; Appointed acting master [of the Angell, by Claes Johnson, while he went overland to Saint Domingo] |
| Mariner  | Coxen [of the ffrancis and John]; One of the company [of the ffrancis and John]  |
| Mariner; Boatswain [of the Hopewell]   | One of the company   |
| Mariner; Boatswain [of the Seven Sisters, a ship granted a Commission]           | One of the company [of the Seven Sisters, a ship granted a Commission]   |
| Sailor   | One of the company   |
| Sailor   | Cook [of the Saint Peter]; One of the company [of the Saint Peter]   |
| Sailor   | One of the company [of the Endeavour of Arundell]  |
| Sailor   | One of the company [of the Maidstone frigot in the immediate service of the English Commonwealth]  |

Note XXXX



# The SOLM-2018 data set - nearly 5,000 markes, initials and signatures for individuals born between 1520 and 1669



# Our vision is a SOLM-2023 database with 1 million marks, initials & signatures from across Europe & North America from the C16th to C18th



## The maths

- 3 person/months to create 5,000 signoff SOLM-2018 database consisting of image snippets; boundary boxed snippets on full page images; 5,000 lines x 25 rows of metadata
- 6 person/months to create our targeted 10,000 SOLM-2018 training database
- 20,000 signoff processing per person year
- Target of 1 million signoffs in our database
- 100,000 signoffs per year with 5 people working full time

That's TEN YEARS to achieve our vision  
with 50 person years to do it!!!!

The **SOLM-2018 database** is a tool for historians and computer scientists to work with marks, initials and signatures. It has been designed to support the exploration of historical literacy and the development of tools for automatic metadata creation.

We will be previewing the database at the TNA Archives & AI symposium on Tuesday, September 4<sup>th</sup> and at the Sheffield Digital Humanities Congress on Thursday, September 6<sup>th</sup>, 2018.

We are looking for UK and international archival partners interested in contributing content to the SOLM-2018 tool and in learning about AI based pattern recognition.

We are especially interested in manuscripts containing marks, initials and signatures by individuals engaged in marine and shore trade occupations from the following English towns and areas for the C16th, C17th and C18th:

|                     |                  |                  |                      |
|---------------------|------------------|------------------|----------------------|
| Aldeburgh [Suffolk] | Dover [Kent]     | Ipwich [Suffolk] | Weymouth [Dorset]    |
| Barnstaple [Devon]  | Falmouth [Devon] | Lewes [Sussex]   | Woodbridge [Suffolk] |
| Bermondsey          | Faversham [Kent] | Falmouth [Devon] | Yarmouth [Norfolk]   |
| Bristol             | Foy [Cornwall]   | Rochester [Kent] |                      |
| Colchester [Essex]  | Greenwich        | Rotherhithe      |                      |
| Dartmouth [Devon]   | Harwich [Essex]  | Southampton      |                      |
| Deptford            | Hull             | Southwark        |                      |

For further information contact Colin Greenstreet, community organiser, Signs of Literacy initiative, or Dr Mark Hailwood (Bristol)  
GitHub: <https://github.com/Signsofliteracy>



**Our challenge to archivists, computer scientists and historians:** Help us develop the tools to create a SOLM-2023 database of 1 mill signoffs with a productivity rate of ten times today's best, at a resource cost of 5 person/years, not 50 person/years, and in half the time

More generally, we need to work together, if we are going to make sense of our digitised manuscript archives – **developing AI tools to process archival images and to identify, extract, read and record metadata**

For more information contact Colin Greenstreet, community organiser of the Signs of Literacy initiative, and Dr Mark Hailwood (Bristol)  
<https://github.com/Signsofliteracy>



We are looking for international partners – archives & archivists, digital publishers,  
image & text oriented computer scientists & machine learners,  
corpus & historical linguists, and historians.  
United Kingdom, Netherlands, Sweden, Poland,  
Germany, France, Spain & North America

Contact:

Colin Greenstreet (community organiser, Signs of Literacy initiative)  
or Dr Mark Hailwood (Bristol)

GitHub: <https://github.com/Signsofliteracy/>

Web: <http://signsofliteracy.org>