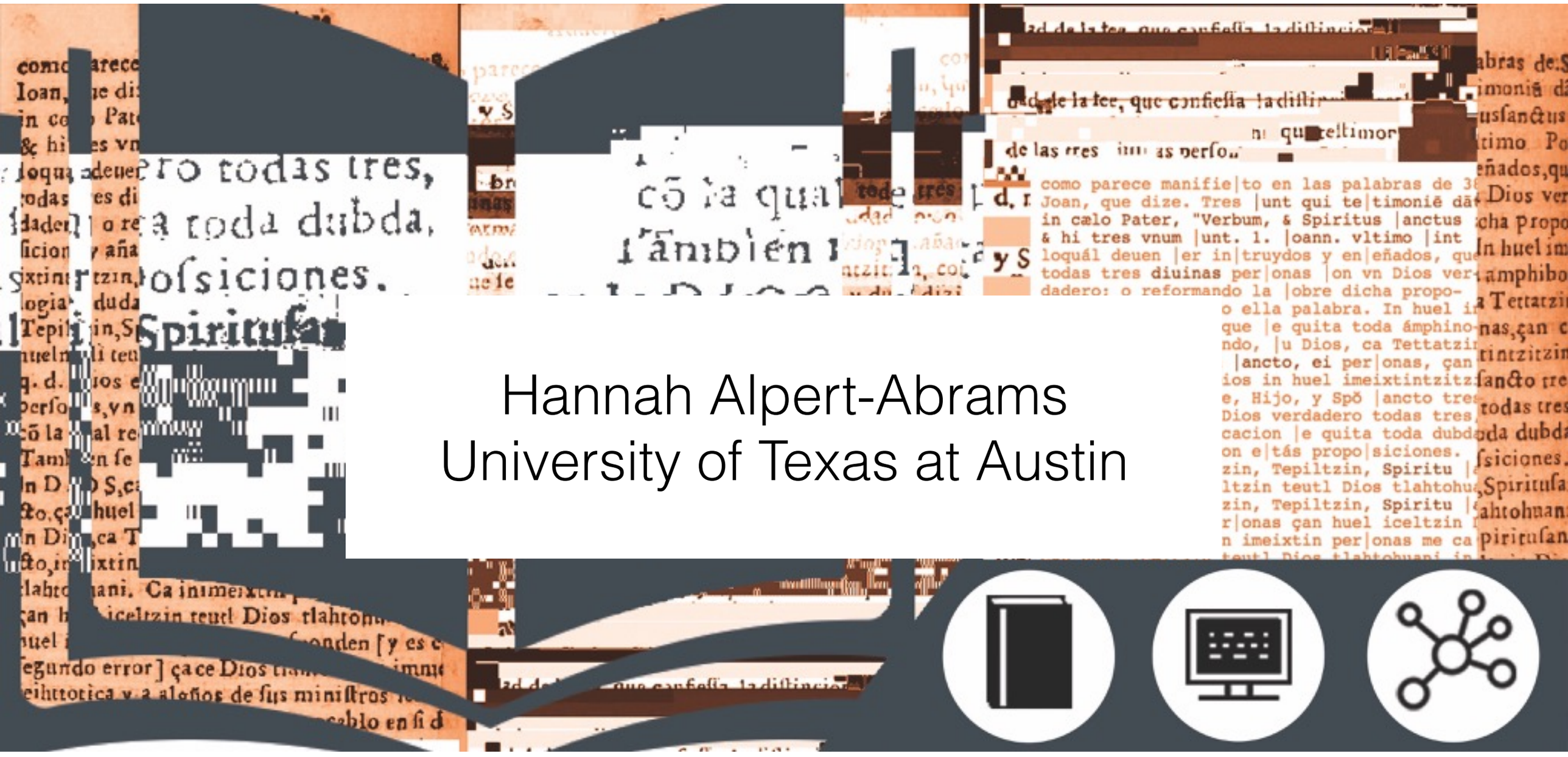
Transcribing Historical Texts



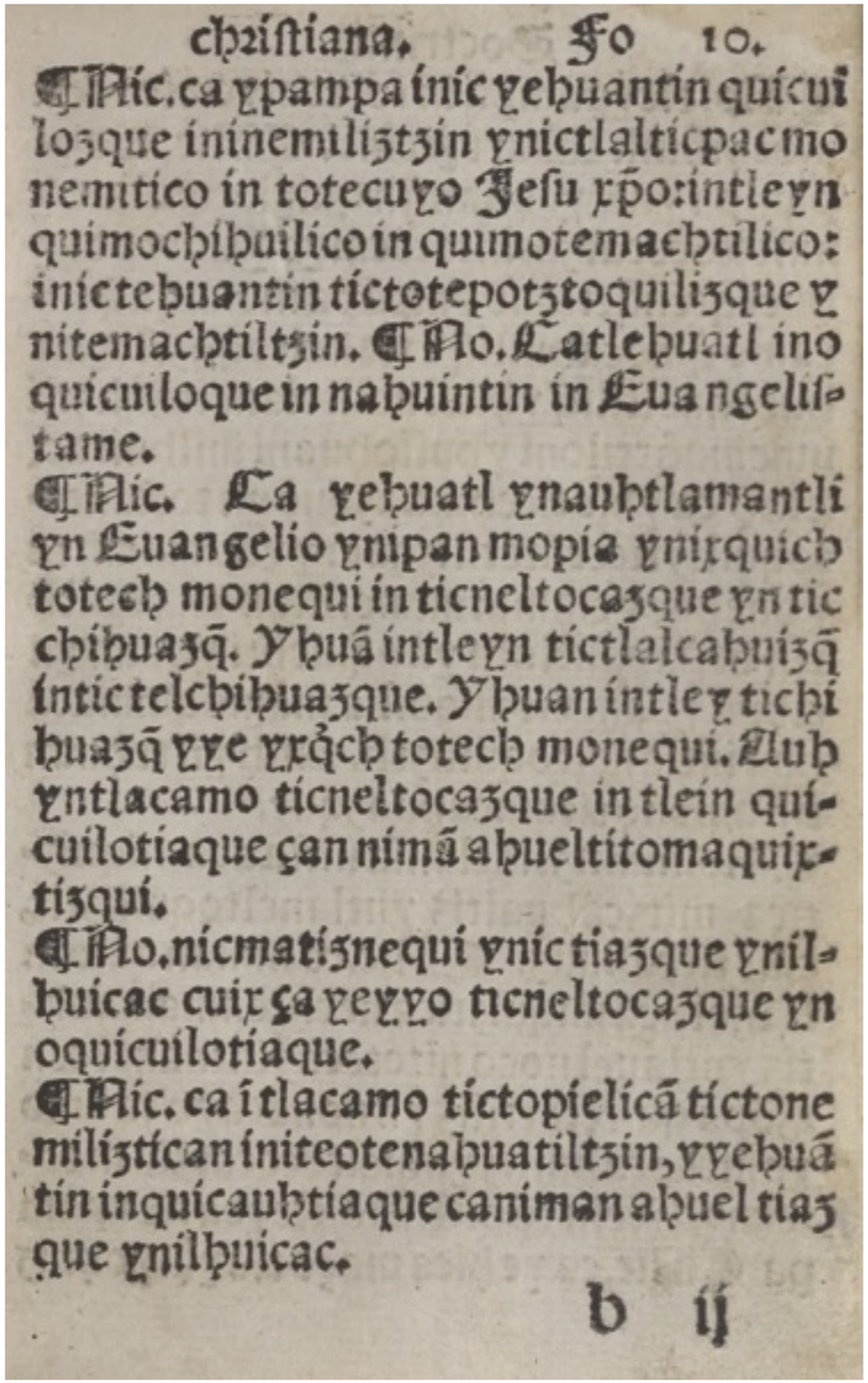
Hannah Alpert-Abrams
University of Texas at Austin

¶ Mic.ca ypampa inic yehuantin quicui lozque ininemiliztzin ynictlalticpac mo nemitico in totecuyo Jesu xpo:intleyn quimochihuilico in quimotemachtilico: inictehuantin tictotepotztoquilizque y nitemachtiltzin. ¶ No. Catlehuatl ino quicuiloque in nahuintin in Euangelis-tame.

¶ Mic. Ca yehuatl ynauhtlamantli yn Euangelio ynipan mopia ynixquich totech monequi in ticneltocazque yn tic chihuazq̃. Yhuã intleyn tictlalcahuizq̃ intictelchihuazque. Yhuan intley tichi huazq̃ yye yxc̃h totech monequi. Auh yntlacamo ticneltocazque in tlein qui-cuilotiaque çan nimã ahueltitomaquix-tizqui.

¶ No. nicmatiznequi ynic tiazque ynil-huicac cuix ça yeyyo ticneltocazque yn oquicuilotiaque.

¶ Mic. ca itlacamo tictopielicã tictone miliztican initeotenahuatiltzin, yyehuã tin inquicauhtiaque canimã ahuel tiaz que ynilhuicac.



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¶Nic. ca ypampa inic yehuantin quicui lozque ininemiliztzin ynictlalticpacmo nemitico in totecuyo Jesu xp̄o: intleyn quimochihuilico in quimotemachtilico: inictehuantin tictotepotztoquilizque y nitemachtiltzin. ¶No. Catlehuatl ino quicuiloque in nahuintin in Euangelis-tame.

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¶Nic. ca ītlacamo tictopielicā tictone miliztican initeotenahuatiltzin, yyehuā tin inquicauhtiaque caniman ahuel tiaz que ynilhuicac.

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¶Nic. ca ypampa inic yehuantin quicui lozque ininemilztzin yn ictlalticpacmo nemitico in totecuyo Je|u x\~po: intleyn quimochihuilico in quimotemachtilico: inictehuantin tictotepotztoquilizque y nitemachtiltzin. ¶No. Catlehuatl ino quicuiloque in nahuintin in Euangeli|-tame.

¶Nic. Ca yehuatl yn auhtlamantli yn Euangelio yn ipan mopia yn ixquich totech monequi in ticneltocazque yn tic chihuaz\~q. Yhu\~a intleyn tictlalcahuiz\~q íntictelchihuazque. Yhuan intley tichi huaz\~q yye yx\'qch totech monequi. Tluh yntlacamo ticneltocazque in tlein qui-cuilotiaque çan nim\~a ahueltitomaquix-tizqui.

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¶Nic. ca \~itlacamo tictopielic\~a tictone miliztican initeotenahuatiltzin, yyehu\~a tin inquicauhtiaque caniman ahuel tiaz que yn ilhuicac.

b ij

Accessibility
Discoverability
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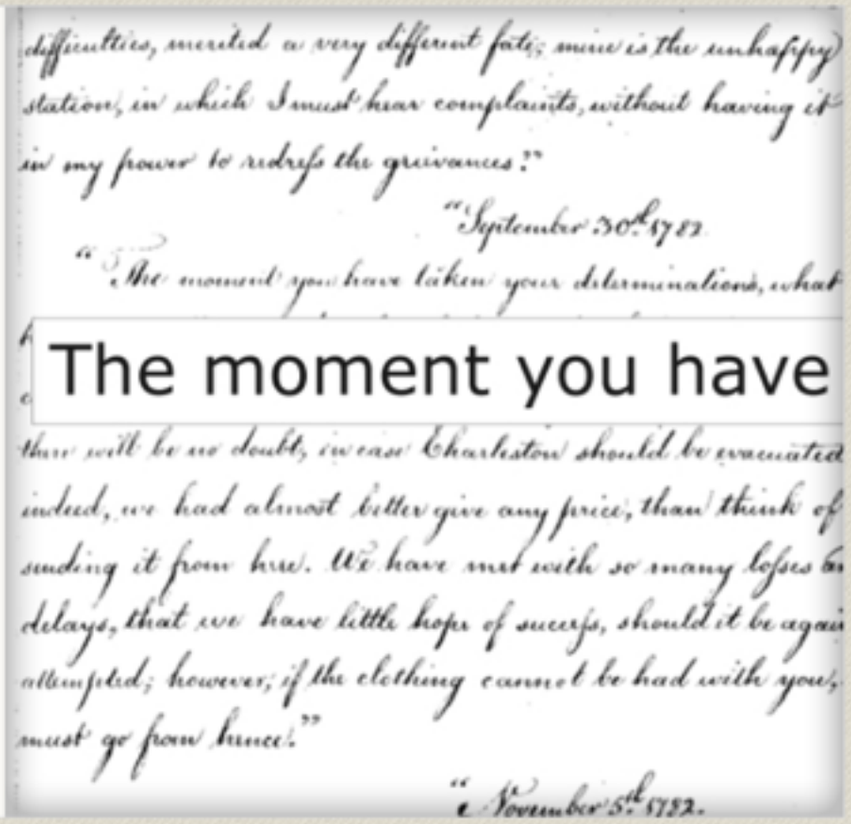

http://scripto.org/

Author: *Packe, Susanna, fl. 1674.*

Title: *Cookbook of Susanna Packe [manuscript].*

Catalogue

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A Transcribe Text

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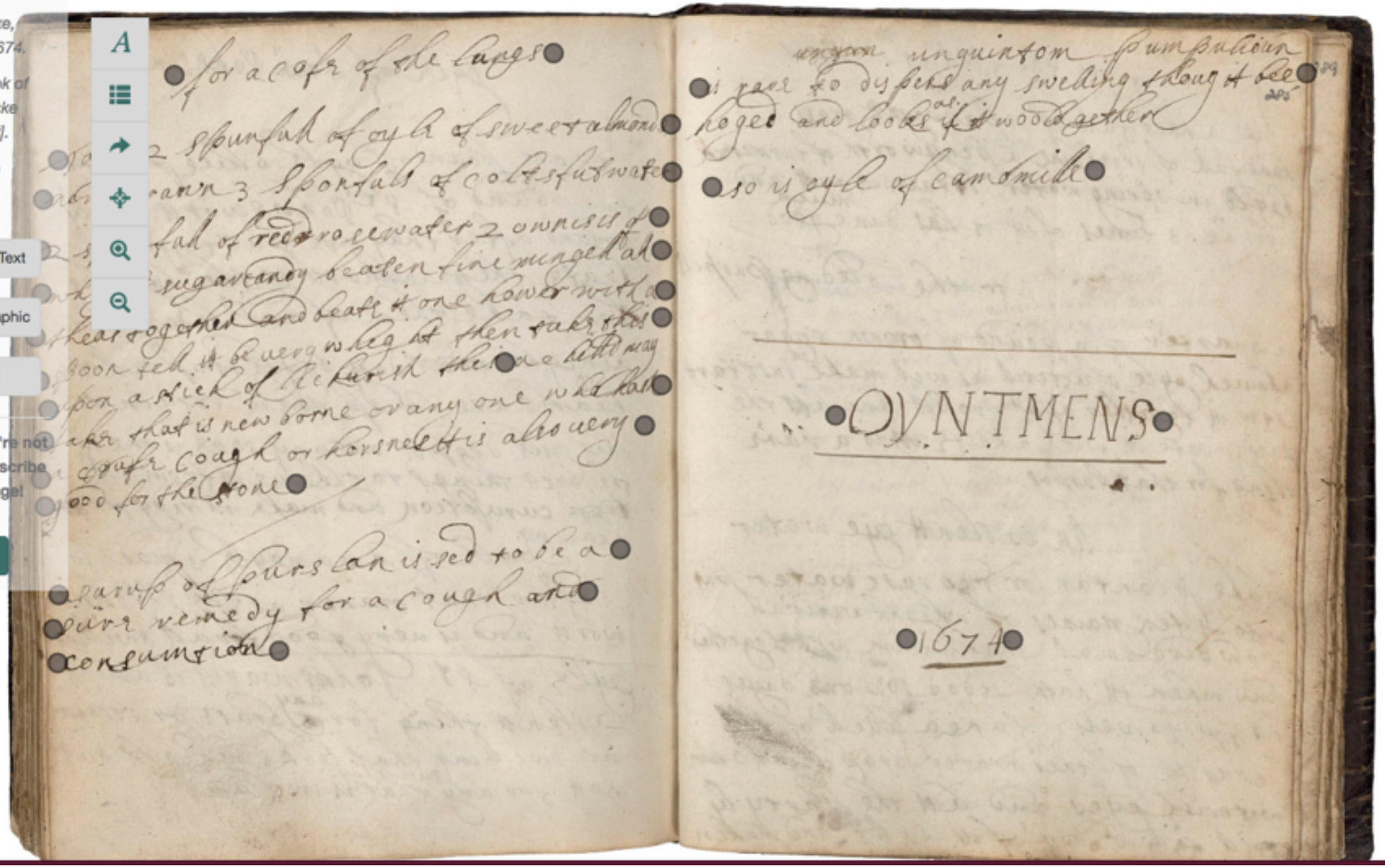
Remember, you're not required to transcribe the whole page!

I'm done!



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Accurate
Affordable
Needs Volunteers
Needs Infrastructure
Needs Maintenance

Crowdsourcing

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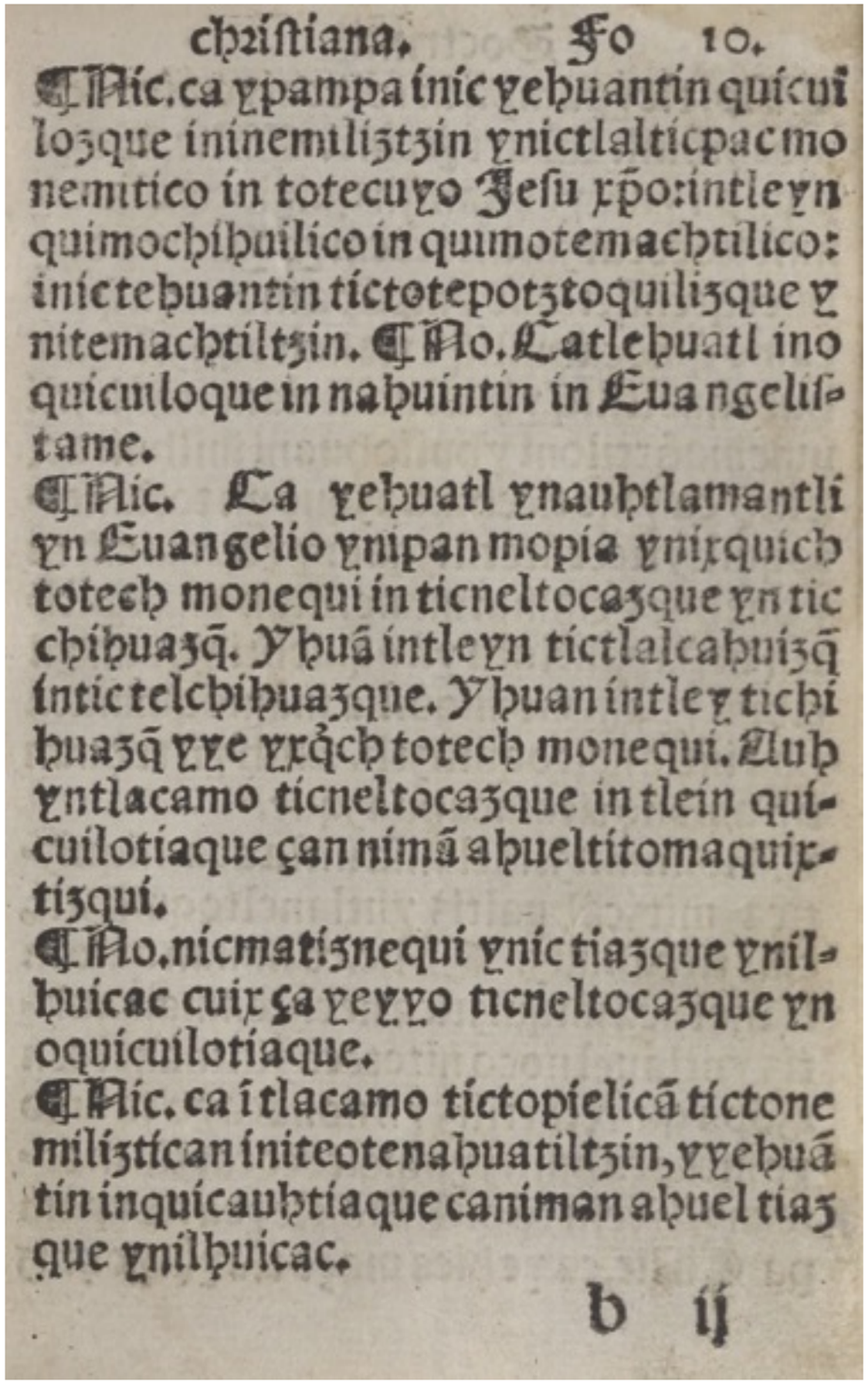

christiana. Fo 10.
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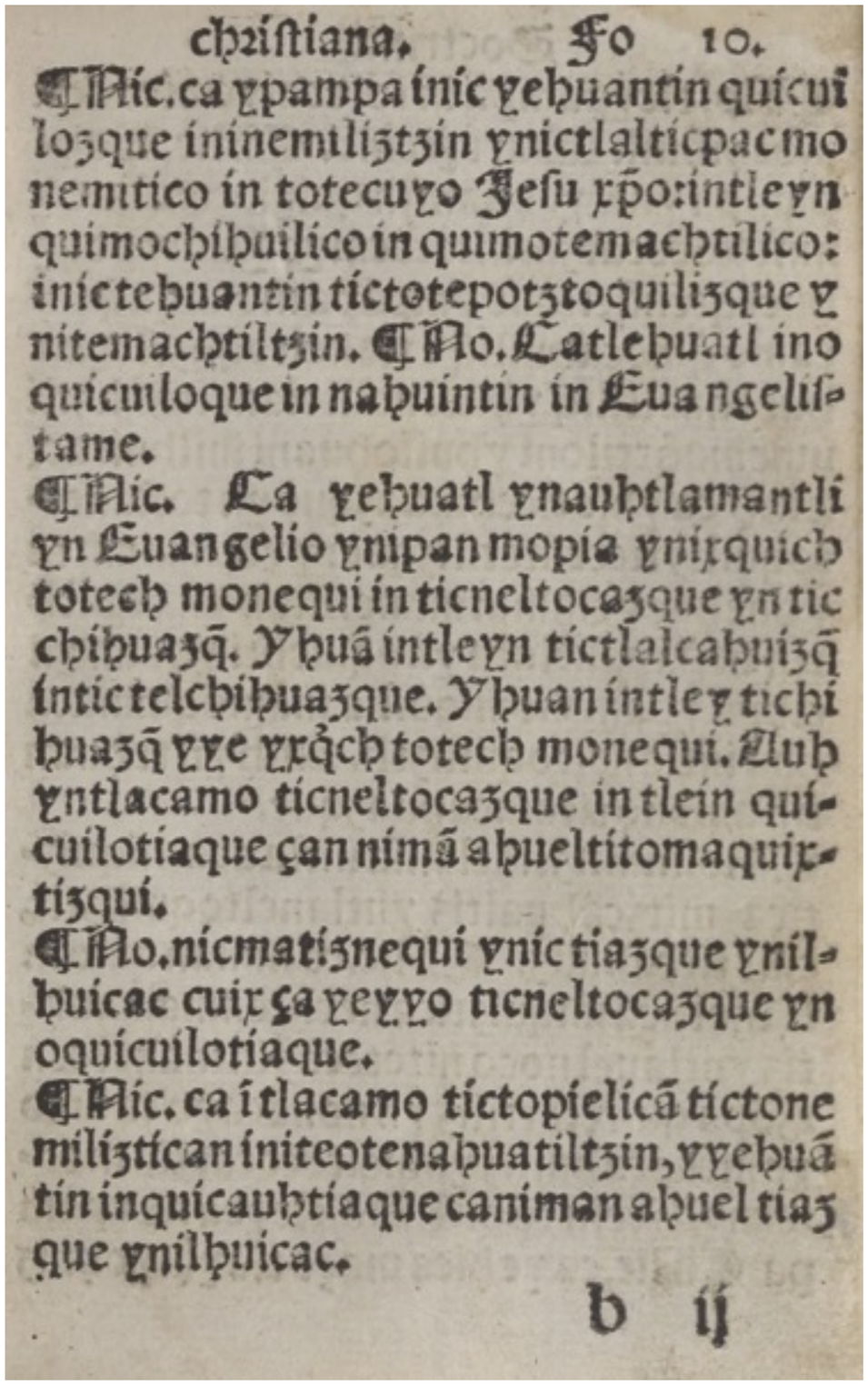
Optical Character Recognition | OCR



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¶ Nic.ca ypampa inic yehuantin quicui lozque ininemilizt zin ynictlalticpac mo nemitico in totecuyo Jesu xpo:intleyn quimochihuilico in quimotemachtilico: inictehuantin tictotepotztoquilizque y nitemachtiltzin. ¶ No. Catlehuatl ino quicuiloque in nahuintin in Euangelis tame.

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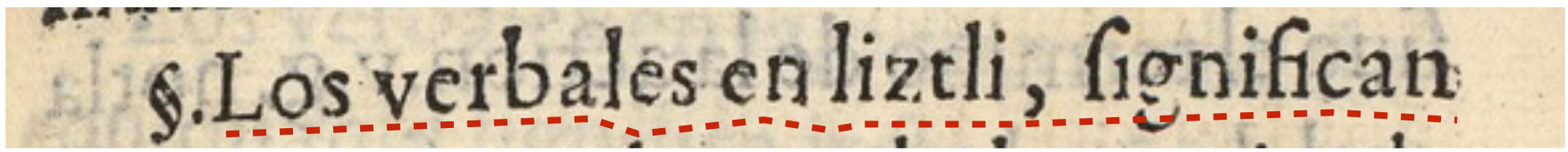
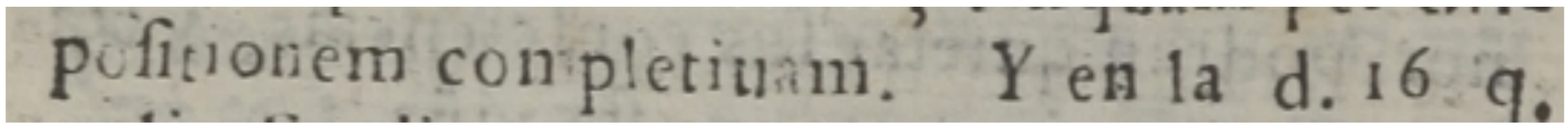
Optical Character Recognition | OCR

How does automatic transcription work?

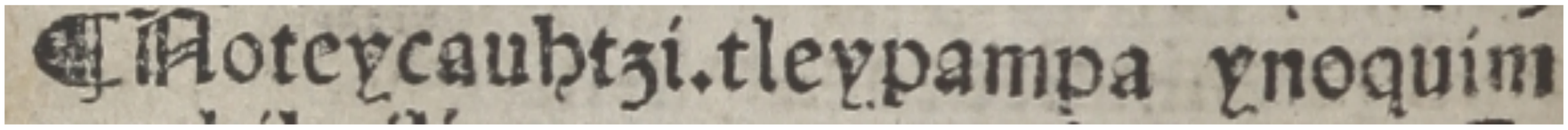
Wandering baseline

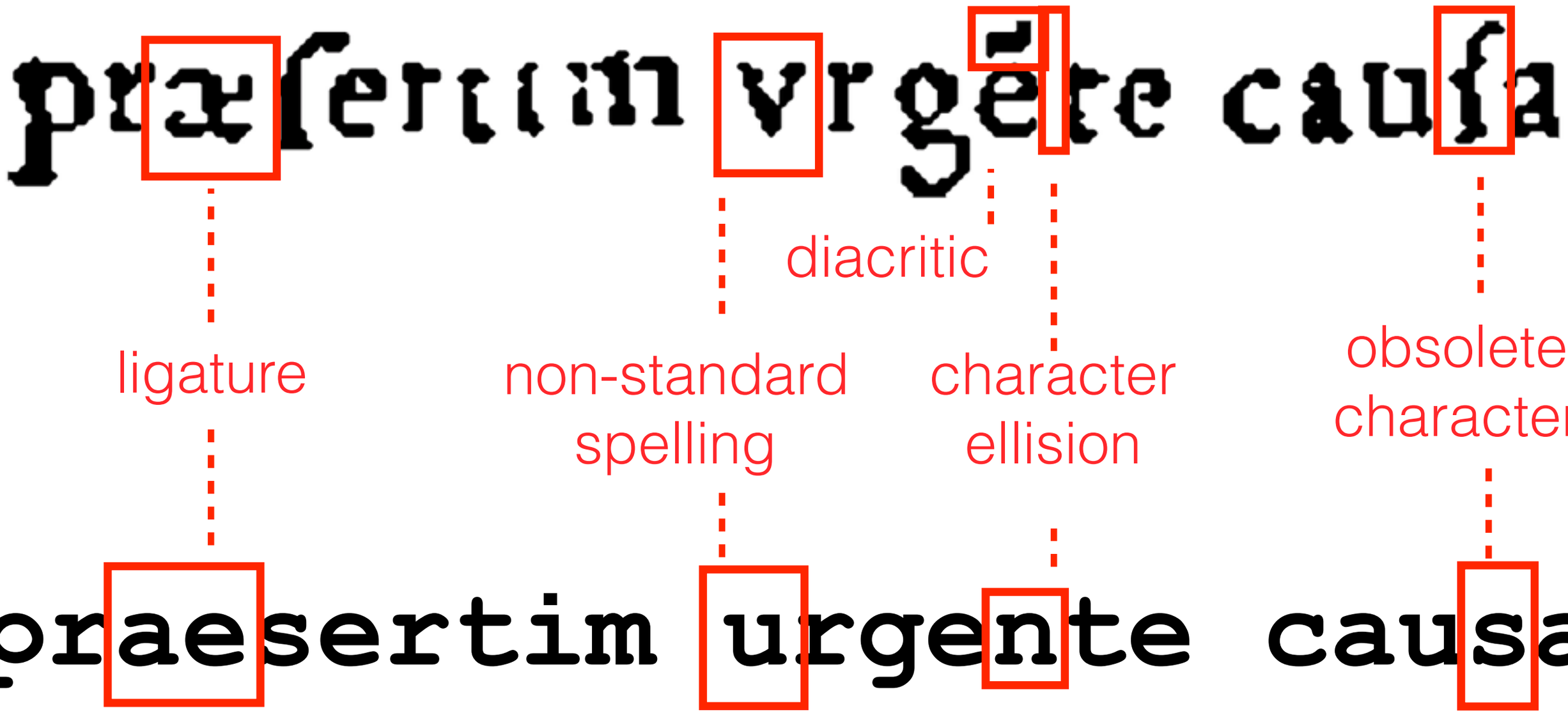


Uneven inking



Unfamiliar Typefaces

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Font Model

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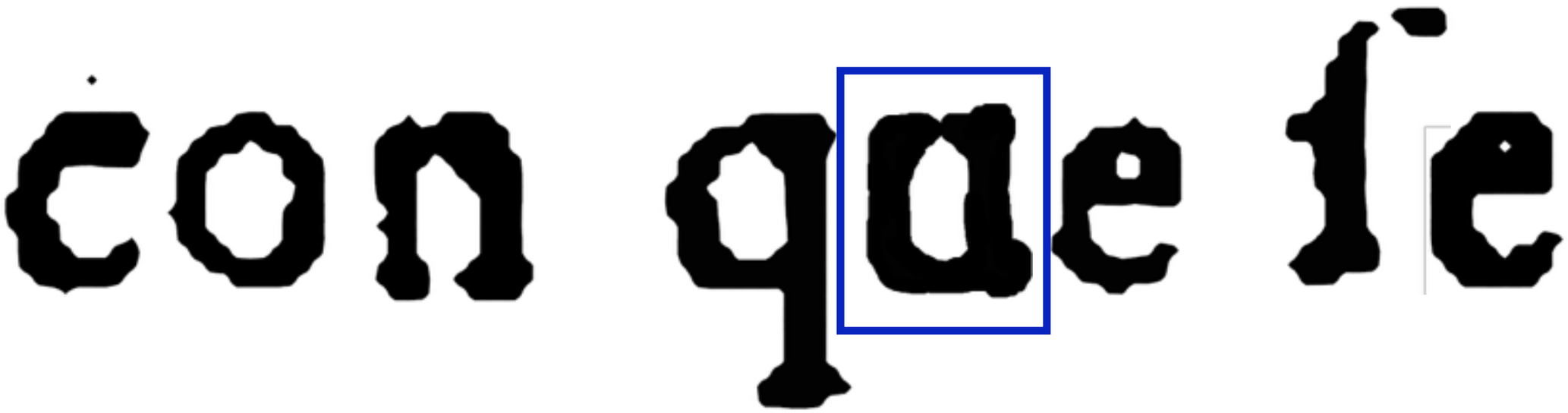
Language Model

Font Model

Font Model



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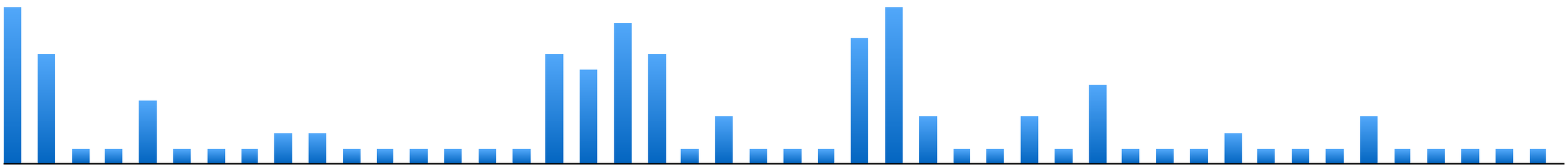

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Language Model

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Language Model

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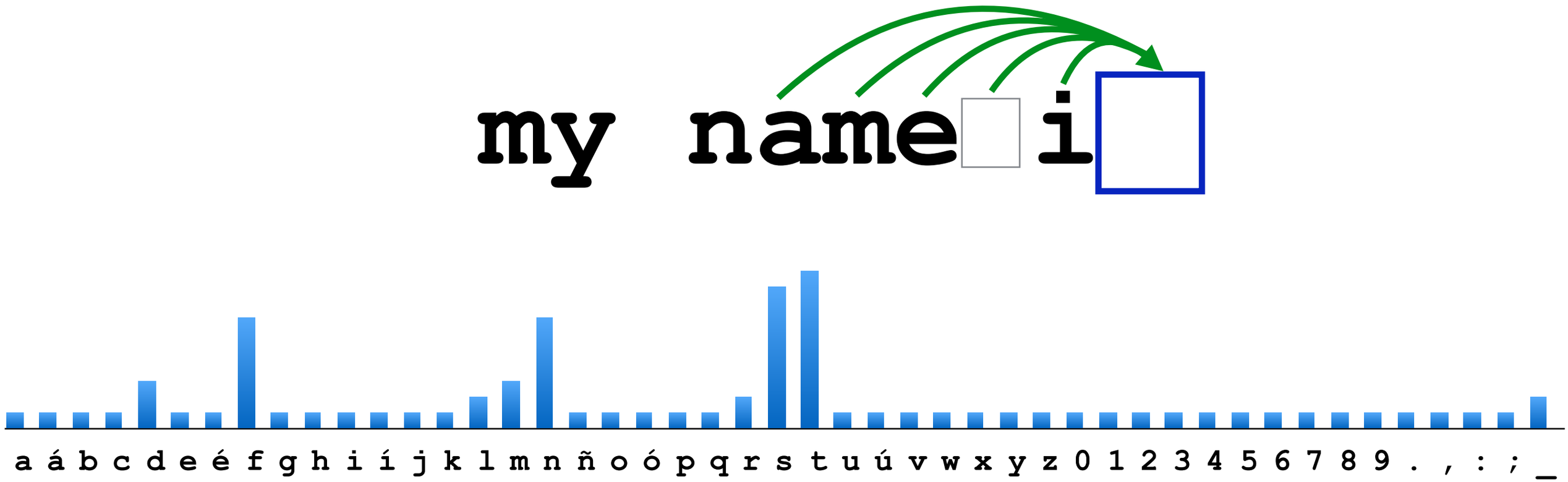
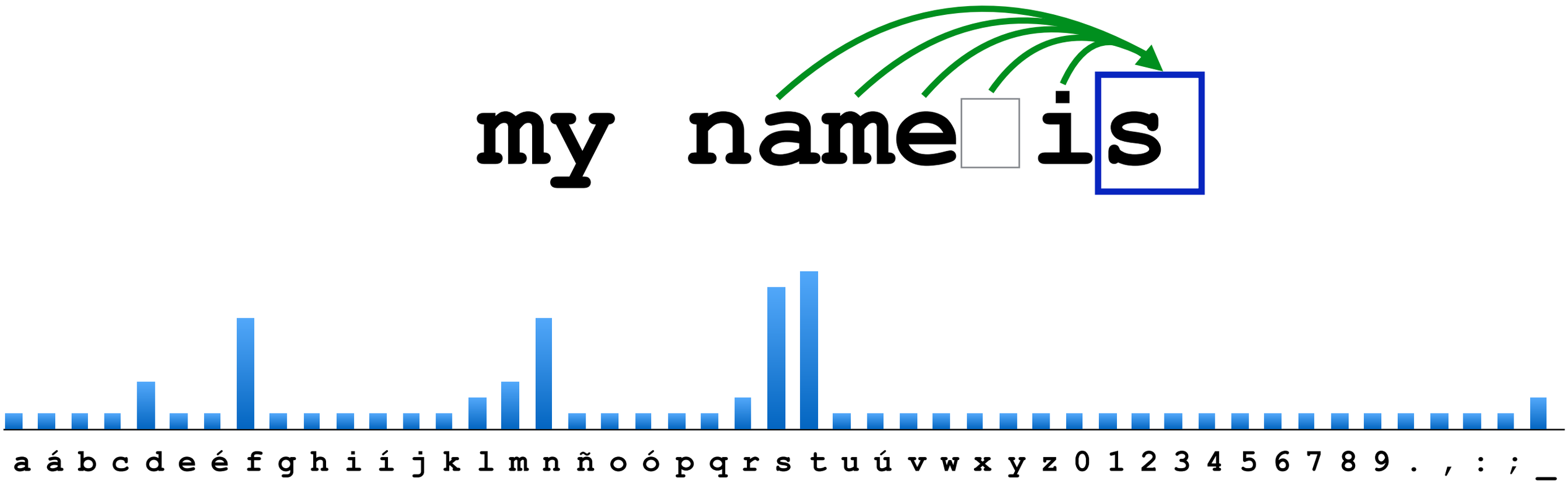
Language Model

Language Model



Language Model



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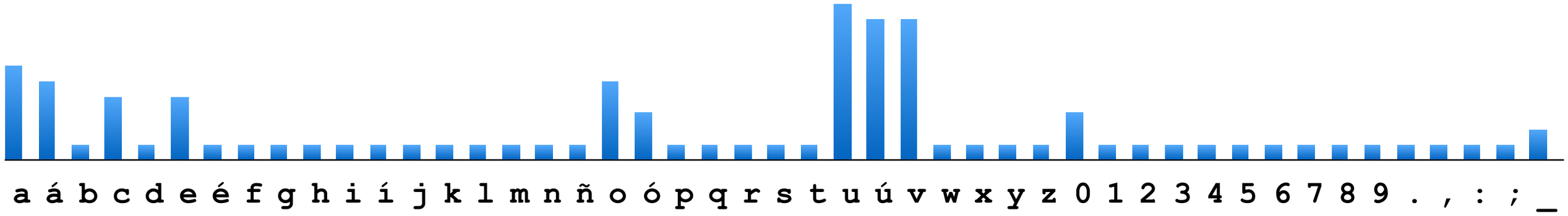

Language Model

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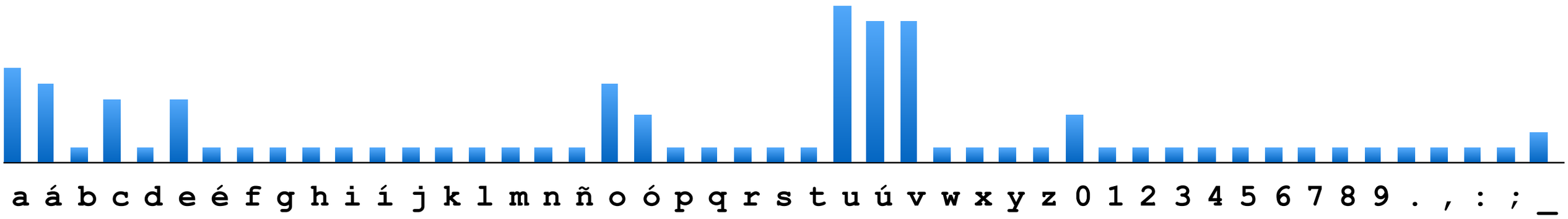

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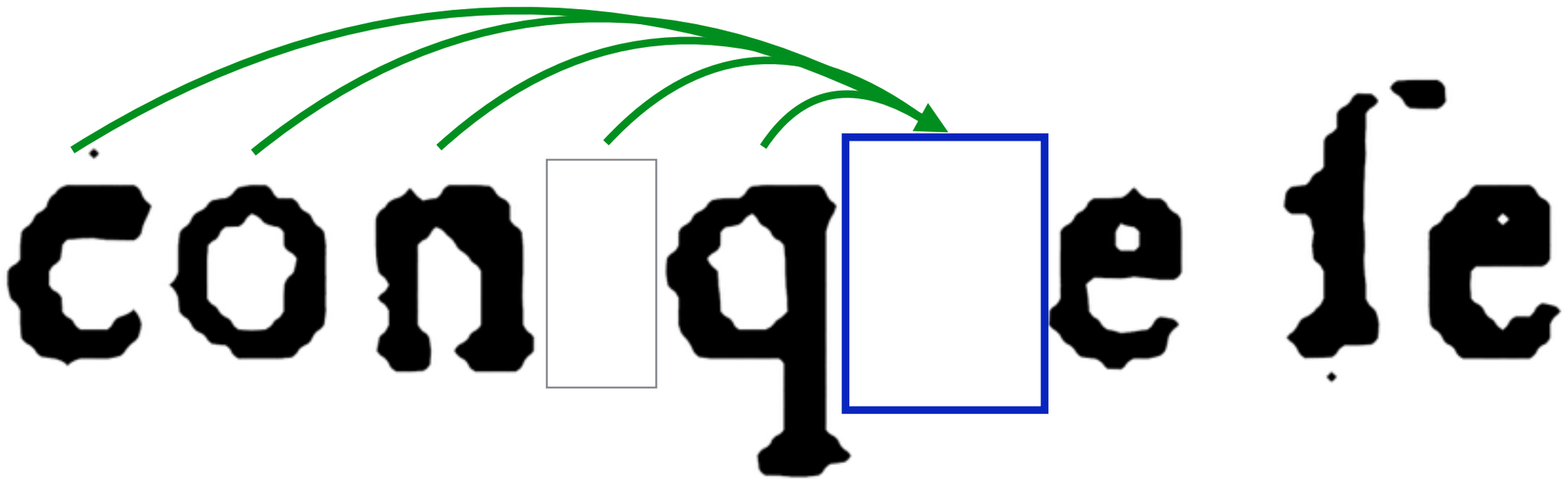

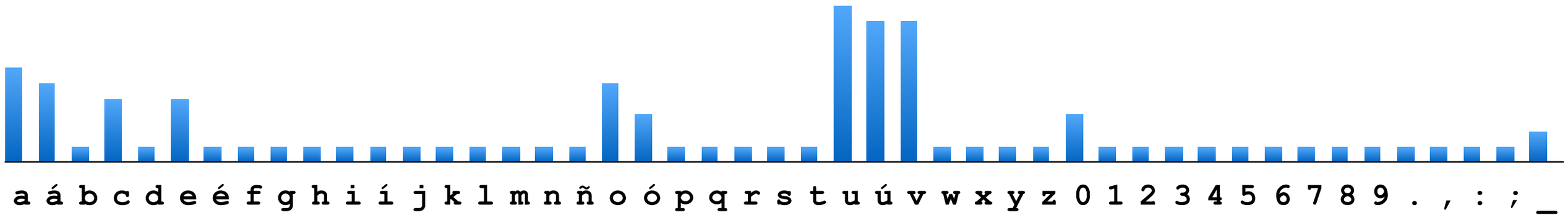

Language Model

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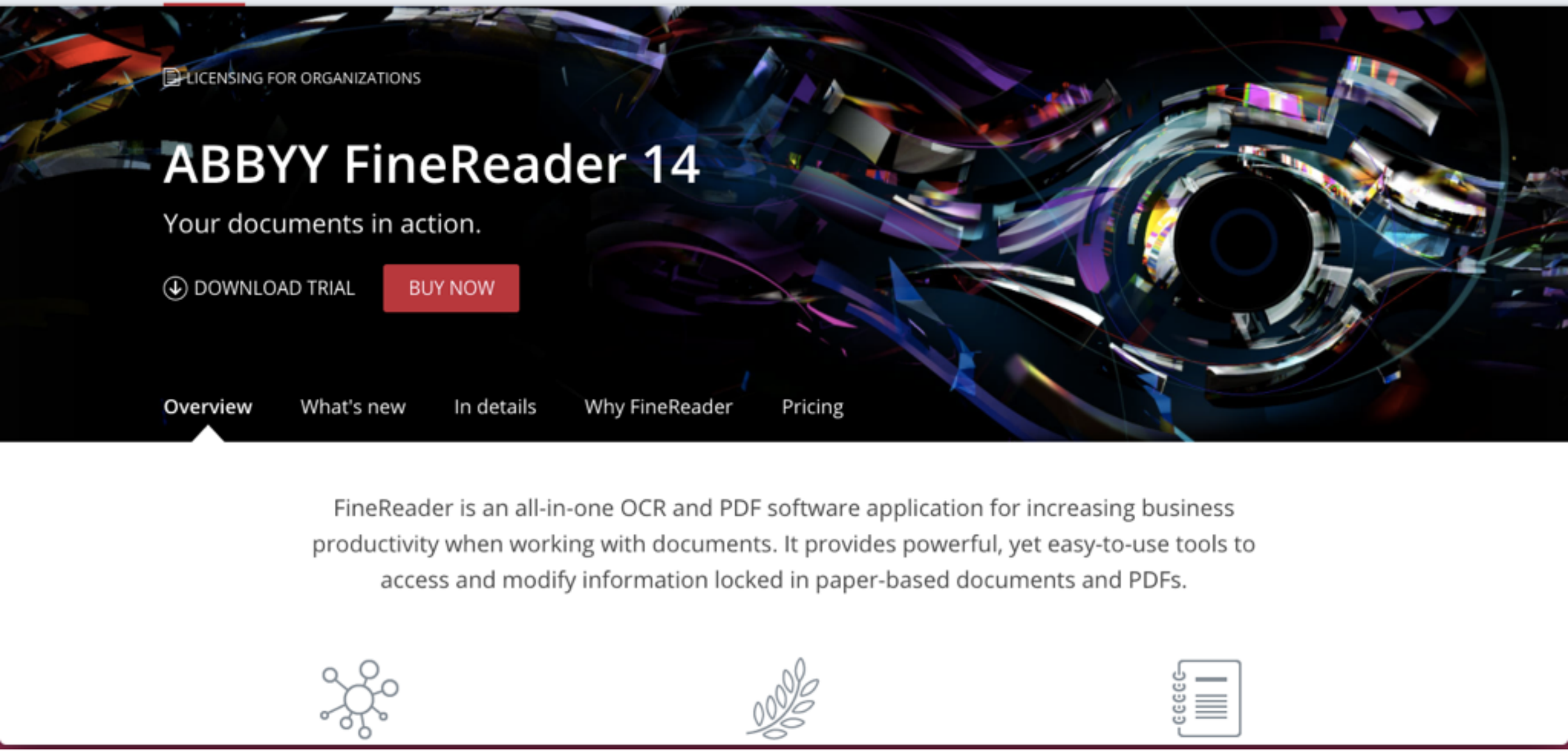

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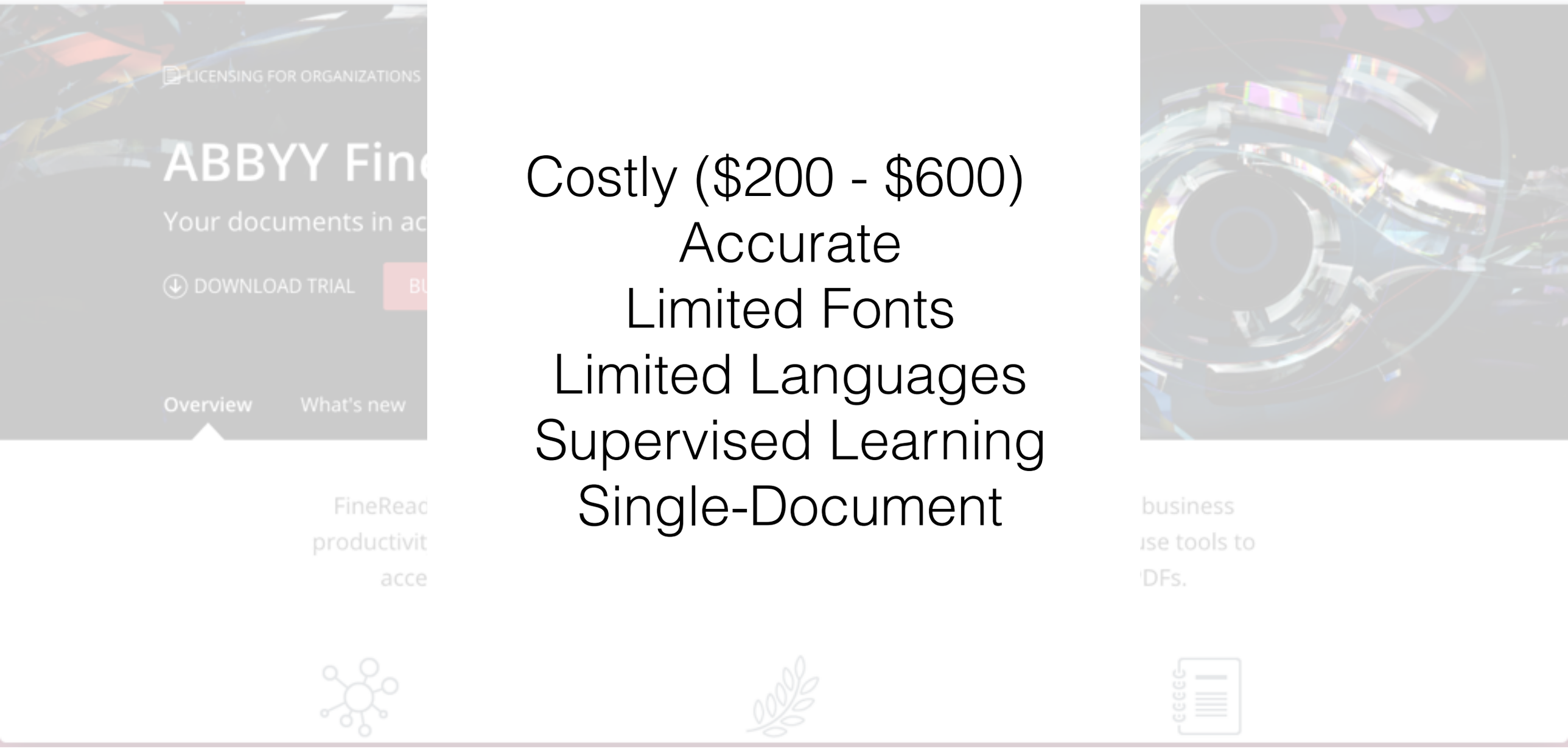

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Accurate
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tesseract

Tesseract Open Source OCR Engine (main repository)

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★ 243 373 Updated on Feb 21

tessdata

★ 524 316 Updated on Dec 28, 2016

docs

Top languages

C++ HTML

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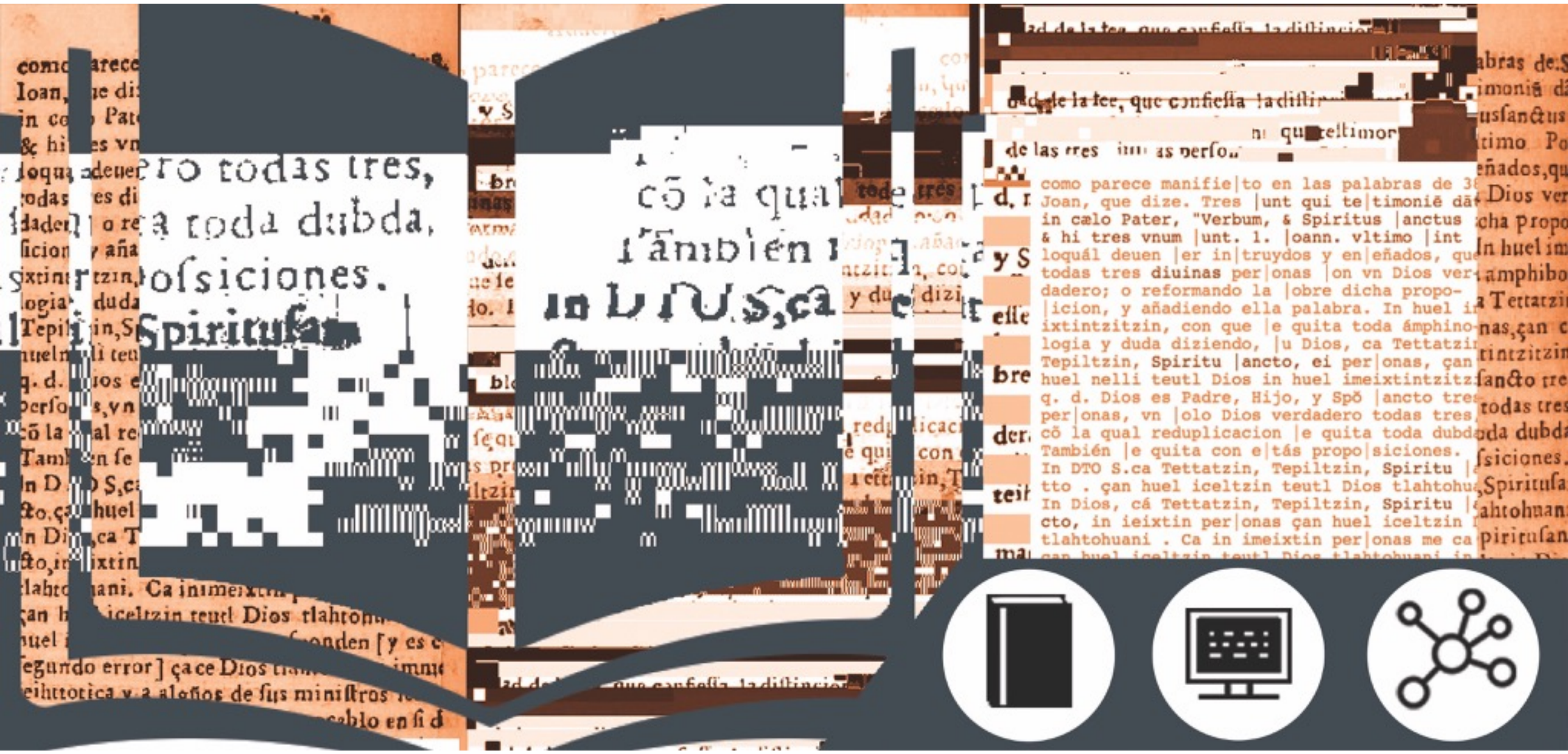
Tesseract

Open-Access
Limited Fonts
Limited Languages
Modern Orientation
Command-Line Operations

Tesseract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q. d. Dios es Padre, Hijo, y Spŏ |ancto tres
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Ocular

Designed for historical documents
Handles multiple languages
Handles nonstandard orthographies
Automated normalization
Unsupervised learning

Ocular

"¶ Q¿nid dicendum de Ocnamacaque. f. de
las pu|queras, o taberneros, qui vendunt vi-
num indorum, indis, quod dicitur Octli .&.
etiam de iis qui eis venduntvr nõ verum Hi|

¶ Quid dicendum de Ocnamacaque. ſ. de
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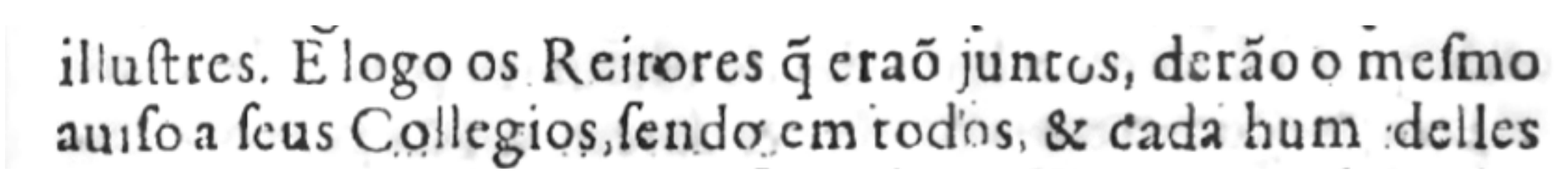
Ocular

Normalized text: illustres. E logo os Reitores que taõ juntos, derão o mesmo
Historical text: illustres. E logo os Reitores \~qe taõ juntos, derão o meſmo

Normalized text: aviso a seus Collegios, sendo em todos, & cada hum delles
Historical text: aviſo a ſeus Collegios, ſendo em todos, & cada hum delles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auiſo a ſeus Collegios, ſendo em todos, & cada hum delles

Ocular

Technologically complex
Command-line operations
Single-document transcription

Ocular

[video using Ocular]

https://youtu.be/Xgys4dBbDfI

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https://github.com/tberg12/ocular