Translation and Target-language Norms

🔈 DeepL

DeepL Translator

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X +

Translator

Linguee 🗹

DeepL Pro

Blog

Info ~

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Translate from English (detected)

 \times Neural Machine Translation (NMT) has obtained state-ofthe art performance for several language pairs, while only using parallel data for training. Target-side monolingual data plays an important role in boosting fluency for phrasebased statistical machine translation, and we investigate the use of monolingual data for NMT. In contrast to previous work, which combines NMT models with separately trained language models, we note that encoderdecoder NMT architectures already have the capacity to learn the same information as a language model, and we explore strategies to train with monolingual data without changing the neural network architecture. By pairing monolingual training data with an automatic backtranslation, we can treat it as additional parallel training

Translate into French ~

La traduction automatique neuronale (NMT) a obtenu des performances de pointe pour plusieurs paires de langues, tout en utilisant uniquement des données parallèles pour la formation. Les données monolingues côté cible jouent un rôle important dans l'amélioration de la fluidité de la traduction automatique statistique basée sur les phrases, et nous étudions l'utilisation de données monolingues pour les NMT. Contrairement aux travaux précédents, qui combinent des modèles NMT avec des modèles de langage formés séparément, nous constatons que les architectures NMT codeur-décodeur ont déjà la capacité d'apprendre les mêmes informations qu'un modèle de langage, et nous explorons des stratégies pour s'entraîner avec des données monolingues sans modifier



Daniel HENKEL

TransCrit EA1569 Neural Machine Translation Workshop Paris 8-Paris Diderot, 15/03/19



Outline

• <u>1. Introduction</u>

- Machine Translation & training corpora
- The problems with bilingual corpora
 - Translationese (a.k.a. "third code")
 - Interference (a.k.a. "shining through")
- <u>2. Methods</u>
 - Corpus "Henkel 108" (4 × 27 authors/translators)
 - Quantitative/statistical methods

• <u>3. Results & Analysis</u>

- Grammatical indicator: En. Would, Could, Should vs. Fr. Conditional (il viendrait)
- Lexical indicator: Verbs of perception (En. *Hear* vs. Fr. *Entendre*)
- <u>4. Conclusions</u>
- <u>5. Références</u>

- Machine translation (including NMT) relies on parallel corpora :
 - From a probabilistic perspective, translation is equivalent to finding a target sentence y that maximizes the conditional probability of y given a source sentence x, i.e., arg maxy p(y | x). In neural machine translation, we fit a parameterized model to maximize the conditional **probability of sentence pairs using a parallel training corpus**. (Bahdanau, Cho, & Bengio, 2014)
 - Neural machine translation has recently achieved impressive results (...), while <u>learning from raw, sentence-aligned parallel text</u> and using little in the way of external linguistic information (Sennrich & Haddow, 2016)
 - Recent years have shown a rapid shift from phrase-based (PBMT) to neural machine translation (NMT) (...) as the most common machine translation paradigm. With <u>large quantities of parallel data</u>, NMT outperforms PBMT for an increasing number of language pairs (Van der Wees, Bisazza & Monz, 2017)

- <u>The problem with parallel corpora:</u>
 - Target-text is not French but French-translated-from-English (FtrE), i.e. translationese

Source	Target
THOMAS PARKE D'INVILLIERS Chapter <mark>1</mark>	
In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since.	Quand j'étais plus jeune, ce qui veut dire plus vulnérable, mon père me donna un conseil que je ne cesse de retourner dans mon esprit :
"Whenever you feel like criticizing any one," he told me, "just remember that all the people in this world haven't had the advantages that you've had."	- Quand tu auras envie de critiquer quelqu'un, songe que tout le monde n'a pas joui des mêmes avantages que toi.
He didn't say any more but we've always been unusually communicative in a reserved way, and I understood that he meant a great deal more than that.	Il n'en dit pas davantage, mais comme lui et moi avons toujours été exceptionnellement communicatifs tout en y mettant beaucoup de réserve, je compris que la phrase impliquait beaucoup plus de choses qu'elle n'en exprimait.
In consequence I'm inclined to reserve all judgments, a habit that has opened up many curious natures to me and also made me the victim of not a few veteran bores.	En conséquence, je suis porté à réserver mes jugements, habitude qui m'a ouvert bien des natures curieuses, non sans me rendre victime de pas mal de raseurs invétérés.
The abnormal mind is quick to detect and attach itself to this quality when it appears in a normal person, and so it came about that in college I was unjustly accused of being a politician, because I was privy to the secret griefs of wild, unknown men.	Un esprit anormal est prompt à découvrir cette qualité et à s'y attacher, quand elle se montre chez quelqu'un de normal ; voilà pourquoi, à l'Université, on m'a injustement accusé de politicailler parce que j'étais le confident des chagrins secrets de garçons déréglés et inconnus.
Most of the confidences were unsoughtfrequently I have feigned sleep, preoccupation, or a hostile levity when I realized by some unmistakable sign that an intimate revelation was quivering on the horizonfor the intimate revelations of young men or at least the terms in which they express them are usually plagiaristic and marred by obvious suppressions.	La plupart de ces confidences, je ne les avais pas recherchées – j'ai souvent feint le sommeil, la préoccupation ou une hostile légèreté quand, à un de ces signes qui ne trompent jamais, je reconnaissais qu'une révélation d'ordre intime pointait à l'horizon ; car d'habitude les révélations intimes des jeunes hommes, ou tout au moins les termes dans lesquels ils les expriment, sont entachées de plagiat et gâtées par de manifestes suppressions.
Reserving judgments is a matter of infinite hope.	Réserver son jugement implique un espoir infini.
I am still a little afraid of missing something if I forget that, as my father snobbishly suggested, and I snobbishly repeat, a sense of the fundamental decencies is parcelled out unequally at birth.	J'aurais encore un peu peur de rater quelque chose si j'oubliais, comme le suggérait mon père avec snobisme et comme avec snobisme je le répète ici, que le sentiment des décences fondamentales nous est réparti en naissant d'une manière inégale.
And, after boasting this way of my tolerance, I come to the admission that it has a limit.	Or, ayant fait ainsi étalage de tolérance, j'en viens à l'aveu que la mienne a ses limites.
Conduct may be founded on the hard rock or the wet marshes but after a certain point I don't care what it's founded on.	Notre conduite peut avoir pour fondation un roc dur ou de fluides marécages, mais passé un certain point, peu me chaut sur quoi elle est fondée.
When I came back from the East last autumn I felt that I wanted the world to be in uniform and at a sort of moral attention forever; I wanted no more riotous excursions with privileged glimpses into the human heart.	Quand je rentrai de New-York, l'automne dernier, j'aurais voulu que le monde entier portât un uniforme et se tînt figé dans une sorte de garde à vous moral ; je ne souhaitais plus d' excursions tumultueuses avec coups d'œil privilégiés dans le cœur humain.
Only Gatsby, the man who gives his name to this book, was exempt from my reaction Gatsby who represented everything for which I have an unaffected scorn.	De cette réaction, je n'excluais que Gatsby, l'homme qui donne son nom à ce livre. Gatsby représentait pourtant tout ce à quoi je porte un mépris dénué d'affectation.
If personality is an unbroken series of successful gestures, then there was something gorgeous about him, some heightened sensitivity to the promises of life, as if he were	S'il est vrai que la personnalité est une suite ininterrompue de gestes réussis, il y avait en cet homme quelque chose de magnifique, je ne sais quelle sensibilité exacerbée aux

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- The problem with parallel corpora:
 - Parallel corpora ...
 - are <u>not</u> comparable samples of English and French
 - consist of:
 - English + French-translated-from-English (Fr. Translationese)
 - or
- English translated from Eropoh (En Tra
- French + English-translated-from-French (En.Translationese)
- As a result, MT systems learn to imitate and produce *Translationese*
 - (cf. Loock, 2019)

- The problem with parallel corpora:
 - Two ways in which target-texts are different from target-language norms
 - 1) Translationese, a.k.a. Third code
 - "Inappropriate SL metaphors and syntax, unnatural word order and a high concentration of unnatural-sounding terminology are the sort of features which are typical of translationese." (Shuttleworth, 2014)
 - "It is common, when reading translations, to feel that they are written in their own <u>peculiar style</u>. Translation scholars even speak of the language of translation as <u>a separate 'dialect' within a language</u>, which they call <u>third code or translationese</u>" (Korzen & Gylling, 2017)

- The problem with parallel corpora:
 - Two ways in which target-texts are different from target-language norms
 - 2) Interference / Shining-through
 - We identify "genuine" shining through of properties of the source language into translations as a general <u>tendency of translators to</u> <u>introduce feature patterns that are typical of the source language</u> into the target texts, quantified in terms of the relative frequencies of comparable lexico-grammatical features. (Evert & Neumann, 2017)
 - "On a more general level, Hansen-Schirra and Steiner (2012: 272) describe the relationship between different types of translation-related behavior towards source and target language norms (...) as a continuum ranging from <u>shining through, i.e. orientation towards</u> <u>source language norms</u>, to normalization, orientation towards target language norms. (Ibid.)

<u>Terminology</u>

- Different classes of English/French
 - En0 = English ex nihilo ("original English", no prior influence)
 - Fr0 = French ex nihilo ("original French", no prior influence)
 ≠
 - *EtrF* = *English-translated-from-French*
 - *FtrE = French-translated-from-English*
- Two types of inadequacies
 - Translationese/'third code' = indirect interference
 - Interference/'shining-through' = direct interference
- Two types of bilingual corpora: Comparable vs. Parallel (cf. McEnery & Xiao, 2007)
 - Comparable corpora
 - *ex nihilo* texts sharing common characteristics (same period, same discourse type, same size etc.)
 - Parallel corpora
 - source-texts (original) + target-texts (translations)

- **Objectives (3 questions):**
 - 1. Do target-texts (i.e. translations) have the same characteristics as the natural (*ex nihilo*) target-language?
 - How can this be demonstrated quantitatively?
 - 2. Can inter-linguistic influences/interferences be demonstrated between source- and target-texts?
 - Can they be measured?
 - 3. Do we evaluate translation "quality" in terms of:
 - *bare semantic equivalence?*
 - *similarity to human translation? (BLEU score)*
 - conformity to the norms of the target-language?

Methods

<u>Corpus design</u>

- Public domain original works+translations available in electronic format (.txt, .epub, .html)
- Inclusion criteria:
 - Publication after 1850
 - Narrative prose
 - 1 work per author/translator
 - When several works+translations available
 - Newer is better
 - Bigger is better
- In total: 4 × 2.8m words = 10+ million words
 - 27 authors in En0 (1868-1928, median 1901)
 - +27 translators into FtrE
 - 27 authors in Fr0 (1869-1921, median 1901)
 - +27 translators into EtrF

<u>Corpus design</u>

- Public domain original works+translations available in electronic format:

Lord of the World (1907), 101303 words

The Secret Garden (1911), 83065 words

Out of the Silence (1925), 114354 words

Tess of d'Ubervilles (1891), 153078 words

Rupert of Hentzau (1898), 85029 words

Washington Square (1881), 65220 words

The Moonstone (1868), 199978 words

The Lost World (1912), 77152 words

Middlemarch (1871), 164459 words

Great Gatsby (1925), 50091 words

Dubliners (1914), 69204 words

Free Air (1919), 83803 words

Dracula (1897), 163104 words

Ben Hur (1880), 201313 words

Green Archer (1923), 122339 words

The War in the Air (1908), 99499 words

Martin Eden (1909), 142463 words

The Garden Party (1922), 59773 words

The Finger of Fate (1872), 94265 words

Kidnapped+David Balfour (1889), 186177 words

The Portrait of Dorian Gray (1890), 80410 words

The Prince and Pauper (1881), 70647 words

The Ape, the Idiot and Other People (1897), 57062 words

Kim (1901), 108400 words

Looking Back (1888), 78414 words

Greenmantle (1916), 100621 words

- Bellamy, E.
- Benson, R.
- Buchan, J.
- Burnett, F.H.
- Collins, W.
- Conan Doyle, A.
- Cox, E.
- Eliot, G.
- Fitzgerald, F.S.
- Hardy, T.
- Hope, A.
- James, H.
- Joyce, J.
- Kipling, R.
- Lewis, S.
- London, J.
- Mansfield, K.
- Morrow, W.
- Reid, M.
- Stevenson, R.L.
- Stoker, B.
- Twain, M.
- Wallace, E.
- Wallace, L.
- Wells, H.G.
- Wilde, O.

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• Woolf, V.

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Orlando (1928), 80310 words

<u>Corpus design</u>

- Public domain original works+translations available in electronic format:

La Duchesse Bleue (1898), 89231 words

Les dieux ont soif (1912), 71967 words

L'argent des autres (1874), 173224 words

Maria Chapdelaine (1913), 49352 words

Quatrevingt-treize (1874), 122395 words

Les Dents du Tigre (1921), 130095 words

Rouilletable chez le Tsar (1913), 102905 words

Du côté de chez Swann (1913), 181464 words

Les deux rives de la Seine (1897), 93832 words

Jean-Christophe 1-4 (1905), 239132 words

L'île mystérieuse (1874), 209872 words

Les trois villes Paris (1898), 192462 words

Les Derniers Jours de Pékin (1902), 72326 words

Le journal d'une femme de chambre (1915), 116755 words

La Cathédrale (1898), 132784 words

Aphrodite (1896), 55481 words

Conscience (1888), 105655 words

Mes Souvenirs (1912), 76634 words

L'Éducation sentimentale (1869), 149768 words

Marie Claire (1910), 38233 words

L'Atlantide (1919), 67638 words

L'Immortel (1888), 65954 words

Sixtine (1890), 72967 words

Bijou (1896), 58636 words

Le Feu (1916), 119442 words Les Oberlé (1901), 78366 words

- Audoux, M.
- Barbusse, H.
- Bazin, R.
- Benoît, P.
- Bourget, P.
- Daudet, A.
- Flaubert, G.
- France, A.
- Gaboriau, E.
- Gourmont, R.
- Gyp
- Hémon, L.
- Hugo, V.
- Huysmans, J.K.
- Leblanc, M.
- Leroux, G.
- Loti, P.
- Louÿs, P.
- Malot, H.
- Massenet, J.
- *Mirbeau, O.*
- Proust, M.
- Rolland, R.
- Souvestre, P.
- Vandérem, F.
- Verne, J.
- Zola, E.

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Fantômas (1911), 91924 words

- <u>3 comparisons possible:</u>
 - between **En0** and **Fr0**, to obtain benchmark data for each language



- <u>3 comparisons possible:</u>
 - between En0 and Fr0, to obtain benchmark data for each language
 - between EtrF and En0, to ascertain whether the distribution of the conditional perfect in EtrF is similar to En0, and likewise for FtrE/Fr0

English <i>ex nihilo</i> (En0)	French-translated-from-English (FtrE)
• 2/ works/2/ authors	• 2/works/2/translators
• 2 891 533 words	 2 908 865 mots
• dates 1868-192 <mark>8</mark> , median 1901	
English-translated-from-French	French ex nihilo
(EtrF)	(Fr0)
• 27 works/27 translators	• 27 works/27 authors
• 2 859 167 words	• 2 958 494 mots
	• dates 1869-1921, médiane 1901

- <u>3 comparisons possible:</u>
 - between En0 and Fr0, to obtain benchmark data for each language
 - between EtrF and En0, to ascertain whether the distribution of the conditional perfect in EtrF is similar to En0, and likewise for FtrE/Fr0
 - between **source** and **target-texts**, to detect inter-linguistic influences/interference

	English <i>ex nihilo</i> (En0)	French-translated-from-English (EtrE)
•	27 works/27 authors 2 891 533 words dates 1868-1928, median 1901	 27 works/27 translators 2 908 865 mots
ł	English-translated-from-French	French <i>ex nihilo</i>

- Corpus preparation & Data collection
 - Texts cleaned, punctuation homogenized, encoded in UTF-8 etc.
 - Tagged for POS and Lemma with *TreeTagger*:
 - The_{/DT/the} sun_{/NN/sun} was_{/VBD/be} not_{/RB/not} yet_{/RB/yet} risen_{/VVN/rise} ,,,, and_{/CC/and} the_{/DT/the} whole_{/NN/whole} of_{/IN/of} Crescent_{/NP/Crescent} Bay_{/NP/Bay} was_{/VBD/be} hidden_{/VVN/hide} under_{/IN/under} a_{/DT/a} white_{/JJ/white} sea-mist_{/NN/sea-mist} ./SENT/.
 - Queries targeting
 - Syntactic indicators, e.g.:
 - Would, Could, Should vs. Conditional, etc.
 - Lexical indicators, e.g.:
 - Hear (En) / Entendre (Fr)
 - All data converted to frequencies per 1000 words (f/1k)
 - Statistical analyses performed in R

1st indicator: Would, Could vs. Fr. Conditional

- Frequency of En. Would, Could, etc. Fr. Conditional:
 - En0
 - Total n=17754 (frequency = 8.32/1k words)

- max.	Eliot	12.24/1k
- median	Woolf	8.14/1k
– min.	London	5.67/1k

- EtrF
 - Total n=14946 (frequency = 6.32/1k words)

- max.	Tr.Proust	13.77/1k
- median	Tr.Bazin	5.71/1k
– min.	Tr.Loti	1.88/1k

- FtrE

• Total n=10746 (frequency = 4.85/1k words)

– max.	Tr.Cox	7.17/1k
- median	Tr.Stoker	4.92/1k
– min.	Tr.Woolf	2.63/1k

- Fr0

• *Total n*=7116 (*frequency* = 3.15/1*k* words)

– max.	Proust	5.6/1k
- median	Mirbeau	2.96/1k
– min.	Loti	1.82/1k

1st indicator: Would, Could vs. Fr. Conditional

Question 1:

Does En0 exert an influence on FtrE?

Does Fr0 exert an influence on EtrF?

• Interpreting scatterplots:



*adapted from: https://financetrain.com/statistical-foundations-understanding-correlations/

Would, Could etc. EtrF ~ Conditional Fr0

(rho=0.89, p<0.001)



FtrE Conditional ~ Would, Could etc. in En0

(rho=0.73, p<0.001)



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• In summary

- Would exerts an influence on translators into FtrE
- Fr. Conditional exerts an influence on translators into EtrF

- But, isn't it normal for translators to follow/imitate the sourcetext?
- What does it mean to "follow" the source text? at what level? (semantic? syntactic? stylistic? ...)
 - If the <u>source</u>-text follows the stylistic norms of the <u>source</u>language ...
 - *i.e.* the intentio auctoris (or intentio operis) is not to create an effect of strangeness, surprise ...
 - Then shouldn't the <u>target</u>-text also follow the norms of the <u>target</u>-language?
 - But do translations follow target-language norms?
 - And how do we define "norms"?

• Frequency

- What can frequencies show us?
 - For example,
 - Would, Could, etc. average frequency = 8.14/1k words
 - Conditionnel average frequency = 2.96/1k words
 - The frequency of a word, expression, structure varies considerably, depending on:
 - person (style)
 - context (subject, register)
 - discourse type
 - etc.
 - BUT ...
 - we inherit a language from our ancestors and use it with our peers
 - we can innovate ... to a certain extent
 - we make linguistic choices ... from what's available
 - our individual choices tend to gravitate around a common center

1st indicator: Would, Could vs. Fr. Conditional

Question 2:

Does EtrF have the same characteristics as En0?

Does FtrE have the same characteristics as Fr0?

Fig. 1 Frequency of conditional forms in En0, EtrF, FtrE and Fr0.



- <u>Wilcoxon-Mann-Whitney test</u>
 - A "contest" between Group A vs. Group B
 - Out of all possible combinations, how many times does a member of Group A beat a member of Group B (and vice versa)?
 - How likely is such an outcome, by chance, if the two groups were equal?
 - H_0 = Sample A and Sample B come from populations with equal distributions (or from the same population)
 - Answers questions like:
 - Do men tend to be taller than women?
 - Are Boeing 737s more reliable than Airbus A320s?
 - Is Drug X more effective than a placebo?
 - Do Translators use Would/Conditional more (or less) than Authors?

Fig. 1 Frequency of conditional forms in En0, EtrF, FtrE and Fr0.



- Is EtrF significantly different from En0? YES (U=95, p=0.004)

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2nd indicator: En. Hear vs. Fr. Entendre

Question 1:

Does En0 exert an influence on FtrE?

Does Fr0 exert an influence on EtrF?

ENTENDRE (Fr0) ~ HEAR (EtrF)

(rho=0.86, p<0.001)



ENTENDRE occ./10k words (source texts)

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HEAR (En0) ~ ENTENDRE (FtrE)

(rho=0.75, p<0.001)



HEAR occ./10k words (source texts)

• In summary

- Hear exerts an influence on translators into FtrE
- Entendre exerts an influence on translators into EtrF

2nd indicator: En. Hear vs. Fr. Entendre

Question 2:

Does EtrF have the same characteristics as En0?

Does FtrE have the same characteristics as Fr0?

HEAR & ENTENDRE



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- En. Hear vs. Fr. Entendre = Shining-through
 - Translators tend to ...
 - neglect 'Hear' in En.
 - overuse 'Entendre' in Fr.
 - When? What contextual factors come into play?
 - *perfect aspect: Have+Heard, Avoir+Entendu*
 - +1st person: "I have heard"
 - passive voice: Be+Heard, Être+Entendu

<u>HAVE+HEARD & AVOIR+ENTENDU</u>



• HAVE+HEARD (En0)

Teel Desferre

- Most frequent n-gram of "hear" in En0: "I have hear"
 - recurs in 25/27 authors (92.5%), 151 occurrences

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Corpus Files	Concord	dance C	Concordar	ice Plot File View Clusters/N-Grams Collocates Word List Keyword List	
BellamyE_Lookii	Total N	o. of Clu	ister Typ	es 48 Total No. of Cluster Tokens 1802	
BensonR_LordO	Rank	Freq	Range	Cluster	
BuchanJ_Greenr	1	151	25	i have hear	
BurnettFH_Secr	2	71	23	have hear of	
Compositions	2	26	23		
	3	30	22	nave never near	
EliotG Middlema	4	75	22	he have hear	
FitzgeraldFS Gro	5	57	21	he hear the	
HardyT_TessOfc	6	35	20	hear it .	
HopeA_RupertE	7	31	10	never hear of	
JamesH_Washin	, ,	20	10		
Joycej_Dubliners	8	28	19	to near .	
Lewiss Freedire	9	44	18	" i hear	
London Martin	10	74	18	. i hear	
MansfieldK_Gar	11	43	18	have hear the	
MorrowW_Apelc	12	32	17	do not hear	
StevensonRL Ki	13	32	17	hear of it	
StokerB_Dracula	14	44	17	to hear the	
TwainM_PrinceA	15	46	16	, and hear	
WallaceL BenHu	16	61	16	could hear the	
WellsHG_WarIn1	17	35	16	have not hear	
WildeO_DorianG	18	30	16	he hear a	
woolfv_Orlando	4				•
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- <u>HAVE+HEARD (EtrF)</u>
 - n-gram "I have hear" in EtrF
 - recurs in 14/27 authors (52% vs. 92.5%), 40 occurrences (vs. 151)

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Corpus Files	Concor	dance (Concorda	nce Plot File View Clusters/N-Grams Collocates Word List Keyword List	
AudouxM_Marie	Total N	o. of Clu	ister Typ	Des 23 Total No. of Cluster Tokens 804	
BarbusseEN_pg	Rank	Freq	Range	Cluster	
Bazink_LesOber	1	45	21	to hear the	
BourgotP LaDur	2	42	19	do not hear	
DaudetA Limmo	2	10	10	do Not hear	
Flaubert Educat	5	49	19		
FranceA LesDie	4	33	19	have hear the	
GaboriauE_LArg	5	55	17	he hear the	
GourmontR_Sixt	6	27	17	hear the sound	
Gyp_BijouEN_pg	7	27	17	hear the sound of	
HugoV Quatrev	8	40	16	i hear	
HuysmansJK_La	9	25	16	have not hear	
LeblancM_LesDe	10	50	16	ha have hear	
LerouxG_Rouille	10	55	10	ne nave near	
LotiP_LesDernie	11	20	15	" i hear	
MalotConscience	12	36	15	when he hear	
MassenetJ_Mess	13	52	14	be hear .	
MirbeauO_Journ	14	27	14	could hear the	
ProustM_DuCote BollandR_leanCl	15	26	14	hear in the	
SouvestreP Fan	16	40	14	i have hear	
VanderemF_Les	17	31	14	to be hear	
Vernej_lleMyste ZolaF_LesTrois\	18	27	14	vou hear ?	
Zolde_Lestroisv		▲			
	Search	Term	Words	Case Regex N-Grams Cluster Size	
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Files Processed	Sort by	Range		On Left On Right	
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File Global Settings Tool Preferences Help

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• <u>BE+HEARD & ÊTRE+ENTENDU</u>



BE+HEARD En0 authors

- sequence "voice+be+heard" in En0: 2 authors/27, 2 occurrences

File Global Settings T	ool Prefer	erences Help	
Corpus Files	Concor	ordance Concordance Plot File View Clusters/N-Grams Collocates Word List Keyword List	
BellamyE_Lookii	Concor	ordance Hits 2	
BensonR_LordO	Hit	<u>KWIC</u> File	<u></u>
BuchanJ_Greenr	1	from declaring it in speech. Before she could reply, a voice was heard outside the door, accompanied by Reid	M Fi
BurnettFH_Secr	2	ething did happen. The landlord was called for Apgry voices were heard up-stairs. The mechanic sudden Colli	incW
CollinsW_Moons	2	voices were field up-stairs. The influence sudden con	
ConanDoyleA_L(
Coxe_OutOffne			
EllotG_Middleffic			
HardyT TossOfc			
HopeA RupertF			
lamesH Washin			
Joycel Dubliners			
KiplingR KimEN			
LewisS_FreeAirE			
LondonJ_MartinI			
MansfieldK_Gar			
MorrowW_Apelc			
ReidM_FingerOf			
StevensonRL_KI			
StokerB_Dracuk			
WallacoE Green			
Wallacel BenHi			
WellsHG WarIn]			
WildeO DorianC			
WoolfV Orlando			
-			
	Search	In Term words Case Regex Search Window Size	
	\5+/v	VOICe(\S+/(VH\S:[MD)/\S+(\S+/KB[KS]: Advanced 200	
Total No.	Sta	tart Stop Sort Show Every Nth Row 1	
Files Processed	Kwic So	Sort	
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BE+HEARD EtrF translators

sequence "voice+be+heard" in EtrF: 17 authors/27 (63%), 28 occurrences

File Global Settings Tool Preferences Help

			N	
Corpus Files	Concord	dance Concordance Plot File View Clusters/N-Grams Collocates Word List Keyword	d List	
AudouxM_Marie	Concore	dance Hits 28		
BarbusseEN_pg	Hit	KWIC	File	
BazinR_LesOber	U	Suddenly affild this minilable, turnultuous sherice a	voice was neard, exaggerated by the speaking-true mugov_q	2
BenoitP_Atlantic	7	nton and Robespierre shuddered . At that moment a	voice was heard at the farther end of the room , say HugoV_Q	2
BourgetP_LaDuc DaudetA_LImmc	8	THE IMÂNUS ALSO ESCAPES . At that moment a loud	voice was heard , and the chest , violently hurled as HugoV_Q	2
Flaubert_Educat	9	langer that threatened his master . M. Desmalions 's	voice was heard in the hall , through the curtain tha LeblancM	4
FranceA_LesDie	10	ver-bank , hovering in the mist . Suddenly Koupriane 's	voice was heard shouting orders , calling upon his a LerouxG	_
GourmontR Sixt	11	the corridors , in the kitchen , in the garden , her shrill	voice can be heard for hours . Oh ! how tiresome sh Mirbeau	2
Gyp_BijouEN_pg	12	en in upon her inexhaustible chatter . Always her shrill	voice was heard in the house telling stories , always RollandR	Ļ
HemonL_MariaC	13	it with you a thrashing is all you deserve ! " His	voice could be heard in the street . People stopped t RollandR	L
HuysmansJK_La	14	. But still as they were getting him down the stairs his	voice could be heard in the half-dark room above , t Souvestr	1
LeblancM_LesDe	15	balloon was only 400 feet above the waves . Then a	voice was heard the voice of a man whose heart k VerneJ_II	
LerouxG_Rouille	16	ave been half a mile from the entrance , when Smith 's	voice was heard again . "Halt !" he exclaimed . VerneJ_II	
LouysP_Aphrodi	17	. At intervals between the bursts of shouting , Mege 's	voice could still be heard . By some sudden transitic ZolaE_Le	2
MalotConscience	18	inguish the lowered heads and yawning mouths , some	voices are heard in still higher praise . " There neve Barbusse	ε
MirbeauO Journ	19	eanwhile , from every eating-house and restaurateur 's	voices could be heard singing : Peuple français , FranceA_	-
ProustM_DuCote	20	insolent , and commenced speaking so loud , that their	voices could be heard in the adjoining rooms . At the Gaboriau	I
RollandR_JeanCl	21	rer and sat by the window . For some , minutes the two	voices were heard in question and response ; the or HemonL	-
VanderemF_Les	22	at her . The ragged woman seemed like one dazed .	Voices were heard to murmur , " She looks like a br HugoV_Q	2_
VerneJ_lleMyste	23	answer from the heights , "We do ." These two	voices were now heard exchanging question and rep HugoV_Q	2
ZOIAE_Les I roisv	24	ey were only waiting for the final catastrophe . The little	voices could be heard repeating , " Mamma , mamm HugoV_Q	2
				•
	Search	Term 🗏 Words 🗏 Case 📕 Regex Search Window	w Size	
4	\S+/v	oice(\S+/(VH\S? MD)/\S+(\S+/RB[RS] Advanced 200		

Total No. 27

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Sort

Level 2 0

Why do EtrF. translators overuse "Be+Heard"?

• Entendre+Voix in Fr0 authors

File Global Settings Tool Preferences Help

Corpus Files	Concord	ance Concordance Plot File View Clusters/N-Grams Collocates Word I	ist Keyword List	
AudouxM_Marie	Concord	lance Hits 21		
Barbusse_LeFeu	Hit	KWIC		File 🔺
Bazink_LesOber BenoitP Atlantic	1	t aussi la cuisine bien entendu , était éclairée ,	on entendait des voix . « J' ai passé en tendant l'	Barbusse
BourgetP LaDu	2	ère filtrer dans les interstices des planches , et	on entendait des voix bruisser C' est de l' autre	Barbusse
DaudetA_LImm(3	bruit eut cessé de sonner sous les branches ,	on entendit la voix de M. Ulrich , déjà loin , qui	BazinR_L
FlaubertG_Educ	4	leur dit un garçon de bureau taillé en force .	On entendait sa voix brutale , car il était , non pas	Gaboriau
GaboriauE LArg	5	imer . On n' attendait plus que la catastrophe .	On entendait les petites voix répéter : Maman ! maman ! On	HugoV_Q
GourmontR_Sixt	6	sant au préfet , sortirent pour écarter la foule ,	on entendit la voix éraillée d' un camelot qui hurlait : «	LeblancM
Gyp_BijouFR_pg HemonL_Maria(7	, s' agitaient dans le brouillard . Et tout à coup	on entendit la voix de Koupriane qui donnait des ordres , exc	LerouxG_
HugoV_Quatrev	8	aux bruissait , sifflait , chantait dans le jardin .	On entendait des voix de femmes qui parlaient et qui riaient	LouysP_A
HuysmansJK_La	9	es , le silence se rétablit immédiatement , et l'	on entendit la voix du plus ancien des pensionnaires, Henne	Massenet
LerouxG Rouille	10	, à la cuisine , au jardin , des heures entières ,	on entend sa voix qui glapit Ah ! qu' elle est	MirbeauC
LotiP_LesDernie	11	était malade On s' agitait derrière le rideau ,	on entendait un bruit de voix et de pas précipités . C'	RollandR
LouysP_Aphrodi MalotConscience	12	é à la porte l' arracha à son engourdissement .	On entendait un murmure de voix indistinctes . Il se rappela	RollandR
MassenetJ_Mess	13	t cela ne troublait point son caquet inlassable .	On entendait sans cesse sa voix aiguë qui racontait des hist	RollandR
MirbeauO_Journ	14	« Chut ! dit - elle , on m' appelle . »	On entendait la voix d' Amalia . Rosa demanda : « Veux	RollandR
RollandR leanCl	15	' est tout ce que vous méritez ! » De la rue	on entendait sa voix . Les gens s' arrêtaient pour écouter .	RollandR
SouvestreP_Fan	16	d' une voiture écrasèrent le gravier du jardin .	On entendait des appels de voix , des rires . Georges arrivai	Vanderer
VanderemF_Les	17	développa , et , des profondeurs de ce nuage ,	on entendit une voix délirante qui répétait : « Du tabac !	VerneJ_II
ZolaE LesTroisV	18	t' aide à le refaire ! » Enfin , le 25 août ,	on entendit la voix de Nab qui appelait ses compagnons .	VerneJ_II
-	19	et d'ailleurs la norte resta grande ouverte	on entendait leurs grosses voix confuses. Le général de Roz	ZolaF Le
	Search '	Term Words Case Regex Sea	arch Window Size	
	+){0.3	<pre>\S+/entendre(\w\S+){0,3} \S+/voix Advanced 20</pre>	0	
Fotal No.	Star	t Stop Sort Show Every Nth Row 1		
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riles Processed	Level	1 IR 🛓 Level 2 0 🛓 Level 3 0 🛓		Clone Results

Entendre+Voix in FtrE translators

File Global Settings Tool Preferences Help

Corpus Files	Concordance Plot File View Clusters/N-Grams Collocates Word List Keyword List					
BellamyE Lookii	Concordance Hits 7					
BensonR_LordO	it KWIC File	-				
BuchanJ_Greenr BurnettFH_Secr CollinsW_Moons ConanDoyleA_L(CoxE_OutOfThe EliotG_Middlema FitzgeraldFS_Gre HardyT_TessOfc HopeA_RupertFI JamesH_Washin JoyceJ_Dubliners KiplingR_KimFR LewisS_FreeAirF LondonJ_MartinI MansfieldK_Gare MorrowW_Apelc ReidM_FingerOf StevensonRL_Ki StokerB_Dracula TwainM_PrinceA WallaceE_Greer WallaceL_BenHt WellsHG_WarIn1 WildeO_DorianC WoolfV_Orlando	une cloche sonna , et quelques minutes après , uement du fouet . Elle approcha assez pour qu' r frapper ; et il n' était pas vraisemblable que l' èrent sur ceux du redoutable monarque ; puis , r l' arrière-pont , redoublait d' éclat ; à l' avant , rchaient devant lui s' arrêtèrent brusquement . uux qui n' ont rien perdu d' un beau spectacle . on entendit comme la voix d' un personnage invisible , park Bellan on entendit les voix des hommes qui revenaient de la ville e Mansf on pût entendre ma voix de l' autre côté de ces murs épais stoker on entendit une voix dont personne n' eût pu définir l' accer Twain on entendait des voix tumultueuses , de plus en plus bruya Wallac On entendait leurs voix s' éloigner dans le crépuscule , avec Wellst	nyE ielc rB_ m_F ceL ceL HG_				
	earch Term Words Case Regex Search Window Size					
Total No. 27 Files Processed	Start Stop Sort Show Every Nth Row 1 wic Sort Image: Start Stop Image: Start Stop Image: Start Stop					
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So how do En. authors/translators describe the perception of a person's voice?

• How do En. authors describe the perception of a "voice"?

File Global Settings Tool Preferences Help

Files Processed

15/03/2019

Level 1 2R

Corpus Files	Concor	rdance Concordance Plot File View Clusters/N-Grams Collocates Word List Keyword List				
BellamyE_Lookii	Concordance Hits 27					
BensonR_LordO	Hit	KWIC File	^			
BuchanJ_Greenr	1	" Were you at the Bells ' last week ? " the voice came again . It sounded tired . Leila wondered whether sh Mansfi	elc			
CollinsW Moons	2	te a fine cold blooded pair . " The grating voice came back . " I hold a theory that all of the ills that CoxE (Ju			
ConanDoyleA_L	3	Il vou , " he roared . Only the echo of his voice came back . " Elaine ! " he shouted . Had she followed Wallac	еE			
CoxE_OutOfThe	4	All hail, Thou Mighty One ! " A velvety bass voice came booming over the water . Great Scott ! Damnatior Mansfi	elc			
EliotG_Middlema	5	rry "Before Dundas could reply Dick 's voice came booming and echoing down the gallery "Dundas Coxe (
HardvT TessOfc	6	has brought me home. "The owner of the voice came forward into the light. "Oh I Dundas, come in CoxE.				
HopeA_RupertE	7	nat speak to me 2.1. Lit is an order. The woise same from behind him and he started				
JamesH_Washin	/	not speak to me ? The solution of the solution	K_			
JoyceJ_Dubliners	8	Id in a more compact group . Suddenly a voice came from inside the nall : it was distinct and loud , yet no HopeA	_ K			
LewisS FreeAirE	9	entials meant the least work . Presently a voice came from the kitchen . "Hector , old man , there 's a CoxE_C	Ju			
LondonJ_MartinI	10	a standstill at the gate , and as he did so a voice came from the shadow of the avenue beyond . " Is that yc CoxE_C	Ju			
MansfieldK_Gar	11	at 's the matter with me , anyhow ? " The voice came from the sofa across the room , and its tones broug Stoker	B_			
MorrowW_Apelc BeidM_FingerOf	12	ant had got out and opened the door and a voice came from within — a clear soft voice speaking in some to Bucha	nJ_			
StevensonRL Ki	13	Ild no longer endure the waiting . Sapt 's voice came harsh and grating . "Well ?" he cried ." Which HopeA	R			
StokerB_Dracula	14	her hands , and commenced to speak . His voice came in a low , monotonous monotone , but very distinctly CoxE_C	Du			
TwainM_PrinceA	15	dened her . Then she spoke again , and her voice came in a little more than a whisper . " Our people knew c CoxE (Ju			
WallaceL BenHi	16	hymn ceased . Then after a long interval a voice came out of heaven . " Vat id diss blace here galled itself WellsH	G			
WellsHG_WarIn1	17	hard to find in any other way. Usually her voice came over the wire as something fresh and cool as if a divertee	al			
WildeO_DorianG	18	Jusk she could see him straighten, and his voice came sharp as he ignored the ever-present parental back lewiss	F			
	19	them facing the Prime Minister. Then his voice came so naturally and distinctly that again only the restr CoxE (<u>-</u> .			
	4		•			
	Search	n Term 🗏 Words 📕 Case 📕 Regex Search Window Size				
	\S+/v	voice(\w\S+){0,3} \S+/come Advanced 200				
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Clone Results

And En. translators?

File Global Settings Tool Preferences Help

Corpus Files	Concorr	Innea Concerdance Blot File View Courters (N. Crame Collectors)	Mand Lint Manuard Lint	
AudouxM Marie	Concord	lance Vite 16	word List Reyword List	
BarbusseEN pg	Hit	KWIC		File 🔺
AudouxM_Marie BarbusseEN_pg BazinR_LesOber BenoitP_Atlantic BourgetP_LaDuc DaudetA_LImmc Flaubert_Educat FranceA_LesDie GaboriauE_LArg GourmontR_Sixt Gyp_BijouEN_pg HemonL_MariaC HugoV_Quatrev HuysmansJK_La LeblancM_LesDe LerouxG_Rouille LotiP_LesDernie LouysP_Aphrodi MalotConscienco MassenetJ_MesS MirbeauO_Journ ProustM_DuCote RollandR_JeanCl SouvestreP_Fan VanderemF_Les VerneJ_IleMyste ZolaE_LesTroisV	Concord Hit 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	n the darkness . The group from which the itself . It made me tremble , and when the whether it was really she who spoke . The ld be an end of morality on earth The and the situation — I understand . " His of the wine-cellar is shaken , and a man 's e wittiest of all shouted " Encore ! " A bass fear of hearing himself addressed by other I used to tremble when I heard it . The full ugh in her prayers . Even at a distance the Silence fell , terrible silence . Guillaume 's udden departure . " " Me ! " she said in a n a stick and towards him , drinking in the shouts — except for the curiously piercing as though she were overcome , and , in a	voices came could not be distinguished , on account of the unde voice came down to earth , trembling a little as it went back into voice came louder , the call to him : he could not resist : he voices came near . Her friends were near the road . She leaped t voice came with difficulty from his contracted 208 throat . Furiou voice comes through . " Hey , Palmyra ! " it calls . The woman voice coming from a stage box began to imitate the grotesque r voices coming from every part of the room . He wanted to say : voice coming out of the night reminded me of Colette . Eugène v voices of the men came to her across the surface of the ground voices seemed to come . I followed him , stumbling as quietly as voice that came from the heart . " I do n't care a straw . voice that came in the twilight silence from the lips that so rarely voice which seemed to come from a long way off , she said : "	File HugoV_Q AudouxM RollandR RollandR BazinR_L Barbusse RollandR AudouxM HemonL_ BenoitP_/ ZolaE_Le Gaboriau Barbusse Barbusse AudouxM
	Search	eine ()ul C L) (0, 2)) C L (como	Search Window Size	
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Total No. 27	Star	t Stop Sort Show Every Nth Row 1		
Files Processed	Level	1 2R 📲 Level 2 3R 📲 Level 3 4R 📲		Clone Results

And how do Google and DeepL translate the sequence "On+entendre+voix"?



Le café était servi dans le petit salon bleu et argent, où fleurissait une admirable corbeille de roses jaunes, cette passion que la baronne avait pour les fleurs, et qui changeait l'hôtel en un continuel printemps. Tout de suite, leurs tasses fumantes à la main, Duvillard emmena Fonsègue dans son cabinet, pour fumer un cigare, en causant librement ; et, d'ailleurs, la porte resta grande ouverte, on entendait leurs grosses voix confuses. Le général de Bozonnet, ravi d'avoir trouvé en madame Fonsègue une personne sérieuse et résignée, écoutant sans jamais interrompre, lui racontait la très longue histoire de la femme d'un officier qui avait suivi son mari dans toutes les batailles, en 1870. Hyacinthe ne prenait pas de café, qu' il appelait avec mépris un breuvage de concierge.

(E. Zola)

15/03/2019

Coffee was served in the small blue and silver lounge, where an admirable basket of yellow roses blossomed, that passion the baroness had for flowers, and which changed the hotel into a continuous spring. Immediately, with their steaming cups in hand, Duvillard took Fonsègue to his office to smoke a cigar, chatting freely; and, moreover, the door remained wide open, their big confused voices were heard. General de Bozonnet, delighted to have found in Madame Fonsègue a serious and resigned person, listening without ever interrupting, told her the very long story of the wife of an officer who had followed her husband in all battles in 1870. Hyacinth did not take coffee, which he contemptuously called a janitor's drink.

(DeepL)

Le café était servi dans le petit salon bleu et argent, où fleurissait une admirable corbeille de roses jaunes, cette passion que la baronne avait pour les fleurs, et qui changeait l'hôtel en un continuel printemps. Tout de suite, leurs tasses fumantes à la main, Duvillard emmena Fonsègue dans son cabinet, pour fumer un cigare, en causant librement ; et, d'ailleurs, la porte resta grande ouverte, on entendait leurs grosses voix confuses. Le général de Bozonnet, ravi d'avoir trouvé en madame Fonsègue une personne sérieuse et résignée, écoutant sans jamais interrompre, lui racontait la très longue histoire de la femme d'un officier qui avait suivi son mari dans toutes les batailles, en 1870. Hyacinthe ne prenait pas de café, qu' il appelait avec mépris un breuvage de concierge.

(E. Zola)

15/03/2019

The coffee was served in the little blueand-silver room, where an admirable basket of yellow roses was blooming, that passion which the baroness had for the flowers, and which changed the hotel into a continual spring. Immediately, with their steaming cups in their hands, Duvillard took Fonsegue to his cabinet to smoke a cigar, talking freely; and besides, the door was wide open, and their thick, confused voices were heard. General de Bozonnet, delighted to have found in Madame Fonsegue a serious and resigned person, listening without ever interrupting, told him the very long story of the wife of an officer who had followed her husband in all battles, in 1870. Hyacinthe did not take coffee, which he scornfully called a concierge's drink.

(Google)

Conclusions

- <u>1. NMT systems trained on parallel corpora learn to</u>
 - imitate translators
 - produce Translationese

• <u>2. Target-texts, on the whole, do not conform to target-language norms</u>

- grammatical norms (e.g. Would, Conditional)
- lexical norms (e.g. Hear, Entendre)
- grammatical+lexical = stylistic
- <u>3. EtrF and FtrE are distinct sub-species or hybrids due to</u>
 - compensation strategies (= Frawley's "third code", Baker's "universals")
 - interference/shining-through
- <u>4. To improve translation quality (human or MT)</u>
 - *linguists* have to identify disparities in Translationese
 - translators need to draw inspiration from original, ex nihilo texts
- <u>5. As long as MT learns from human translators, human translators will</u> continue to define the upper limit (≠ Chess, Go, finite number of rules)

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Thank you!

File Global Settings Tool Preferences Help

Corpus Files	Concord	lance Concordance Plot File View Clust	ters/N-Grams Collocates Word List Keyword List				
BellamyE_Loo	Concordance Hits 142						
BensonR_Lord	Hit	KWIC	Fi	le 🔺			
BuchanJ_Gree BurnettFH Sec	53	out after him: "Well.	thank you , sir." He waited outside the d	ovcel E			
	54	eresting.' 'But I can't	thank you enough.' 'There's one thing y	KiplingF			
CoxE_OutOfTr	55	e till I see it in print.' '	Thank you . That goes straight to an ethn k	KiplingF			
EliotG_Middler FitzgeraldFS_C	56	ek, adding in English: '	Thank you verree much, my dear.' Kissi k	KiplingF			
HardyT_TessC	57	red, "Good night, and	thank you —oh, thank you." If Milt had b L	_ewisS_			
JamesH_Wash	58	t, and thank you—oh,	thank you ." If Milt had been driving at tl L	_ewisS_			
JoyceJ_Dubline	59	uld——" "Thanks, uh,	thank you , sir, but I wouldn't like to do it L	_ewisS_			
LewisS_FreeAi	60	ome water myself!" "	Thank you , but I won't trouble you. Gooc L	_ewisS_			
LondonJ_Marti MansfieldK Ga	61	"Nothing else I want,	thank you . D-don't bother me." "Why, I' L	_ewisS_			
MorrowW_Ape	62	r your car?" "Oh yes,	thank you . So nice of you to bother with L	ewisS_			
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