

SUBJECT ISLAND?

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COUNTER)EVIDENCE FROM FRENCH DONT-RELATIVE CLAUSES

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INTRODUCTION: SUBJECTISLAND?

DEROT

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he out.

Extraction out of subjects is generally considered as ungrammatical (Ross 1967, Chomsky 2008...). Subject islands have nethertheless been claimed to vary across languages (Rizzi 1990, Godard 1992...) and across constructions (Sprouse et al. 2015...). Pragmatic (Kuno 1987, Goldberg 2013...) and processing factors also play a role on putative "islands" (Klunder 1992, Hofmeister et al. 2013...).

DONT RELATIVE CLAUSES IN FRENCH

(2).(4) or subject noun (3) 'de' complements.

rench dont ('of which', 'whose') relativizes verbal (1), object noun

Minimalist approaches predict (1) to be easier than (2), and (3) to

Processing approaches such as DLT (Gibson, 2000) predict the reverse: (3) should be easier than (1), and (1) than (2), in terms of linear distance between *dont* and the gap. DLT also predicts (4), with a 1st person subject '*je*', to be easier than than (2). Dont relative clauses

(1) Dont extraction from VP: ... cet accord <u>dont</u> nous [avons hérité] ... (FTB)

(the agreement of-which we have inherited)

(3) Dont extraction from subject NP:

des PDG dont [le coeur _] penche ... à gauche (FTB)

=> Subject island constraint disconfirmed; predictions of DLT confirmed

... une fille <u>dont</u> j'ai oublié [le prénom]... (CFPP (a girl of-which I forgot the name)

(2) Dont extraction from object NP (NP subject) :

(4) Dont extraction from object NP (clitic subject):

... des fonds dont l'Etat a [la gestion] ... (FTB)

(funds of-which the state has the management)

2 CORPUS STUDIES: WRITTEN (FRENCH TREEBANK) AND SPOKEN (CORPUS DU FRANCAIS PARLÉ PARISIEN 2000) FRENCH

| Dont extractions | | | out of object NP | Others | Total |
|---------------------|-------|---------|---------------------|--------|-------|
| FTB | 73 | 217 | 48 | 46 | 384 |
| | (19%) | (56,5%) | (12,5%) | | |
| CFPP | 67 | 19 | 9 | 12 | 107 |
| | (63%) | (17,8%) | (8%) | | |

More *dont* extractions out of subject overall in written French (FTB)
More *dont* extractions out of subject than out of object in both FTB (written) and CFPP (spoken)
"external subjects?": 67% of the verbs for FTB and 47% of the verbs for CFPP are transitive / unergative
Difference between subject and object extraction due to their overall frequency ? NO:

 clitic subjects (77%) more frequent than NP subjects (23%) in spoken French (CFPP);
 NP subjects more frequent than NP objects in both corpora BUT:

Extraction rate for subject NP involve a pronominal subject

EXPERIMENT 1 ACCEPTABILITY JUDGEMENT (57 PARTICIPANTS)

| Material for both experiments | | | |
|---|--|--|--|
| A / Extraction from subject NP | D / Control sentence for A | | |
| Elles travaillent dans un cabinet dont la propreté intimide mes parents à chaque fois. They work in an office of-which the neatness intimidates my parents every time. | Elles travaillent dans un cabinet et sa propreté intimide mes parents à dhaque fois. They work in an office and its neatness intimidates my parents every time. | | |
| B / Extraction from object NP with a pronominal subject | E / Control sentence for B | | |
| Elles travaillent dans un cabinet dont nous admirons la propreté à chaque fois. They work in an office of-which we admire the neatness every time. | Elles travaillent dans un cabinet et nous admirons sa propreté à chaque fois. They work in an office and we admire its neatness every time. | | |
| C / Extraction from object NP with a nominal subject | F / Control sentence for C | | |
| Elles travaillent dans un cabinet dont mes parents admirent la propreté à chaque fois. They work in an office of-which my parents admire the neatness every time. | Elles travaillent dans un cabinet et mes parents admirent sa propreté à chaque fois. They work in an office of-which my parents admire its neatness every time. | | |
| * | | | |



The participants were asked to rate the sentences on a scale from 1 (bad) to 10 (good) $% \left(\left(1-\frac{1}{2}\right) \right) =0$

Results

Linear mixed models show:

- extraction out of the subject (A) was judged significantly better than extraction out of the object with a nominal subject (C); p<.05
 extraction out of object NP yielded a significant preference for pronominal (B) over
- extraction out of object NP yielded a significant preference for pronominal (B) over nominal subjects (C); p<.05.
- · No significant difference have been found between the control conditions
 - * Significative

aboratoire de linquistique forme

EXPERIMENT 2 EYE TRACKING (31 PARTICIPANTS)



A PRIVILEGE OF DONT?

Dont is a complementizer (Godard 1988), extraction out of subject ruled out for wh-relativizer (de qui, d'où) ? Attested examples (contra Tellier 1991, Sportiche 1998).

(5) Walter Van Beirendonck n'est pas seulement l'homme *de qui* le nom est à placer sur un plateau de Scrabble en mot compte triple (WWW, 2015) Walter Van Beirendonk is not only the man of whom the name is to be placed on a Scrabble board as triple value word

(6) un spot de kitesurf d'où le départ est très sécurisant (WWW, 2015)

a place of kitesurf from where the departure is very secured

A privilege of French ?

Hale 2003 reports a preference for whose subject over whose object relative clause: genitive of subject relativization easier than genitive of object?

CONCLUSION

Relativization out of a subject NP cannot be an island, otherwise it would be ungrammatical, infrequent or create extra processing cost.
Our production data (corpora) and comprehension data (experiment 1 and 2) disconfirm the subject island constraint for French and confirm processing accounts like DLT and surprisal.
The extra cost of a lexical subject when extracting out of an object NP (new discourse referent between *dont* and the gap) is confirmed as well.
Further studies: interrogatives with *de qui, duquel* as well