# Are There Any Differences Between the Native Speakers and Chinese English Learners in Using Rising Declaratives? 

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#### Abstract

This article reports on an empirical study investigating whether Chinese English learners are able to make the similar choices to the native speakers for the questions, especially the rising declaratives, in different scenarios. Results suggest that language transfer has an eminent influence on the Chinese English learners in making the choices, showing intense negative transfer in this process. However, there is divergence between the questions in different specific conditions. The effects of language transfer are manifested comparatively clearly in the context where only rising interrogatives, or both interrogatives and rising declaratives can be uses as questions. Consequently, this quantitative study can explicitly reflect to what degree and in which aspects the cross-linguistic effects can influence the using of questions among the Chinese English speakers.


Key words: Questions; Rising declaratives; Language transfer; Quantitative study

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## INTRODUCTION

This paper attempts to test the effects of language transfer (Odlin, 1989) on the English rising declaratives as questions used by Chinese English learners. Our hypothesis is that Chinese English learners tend to overuse

English rising declaratives to substitute interrogatives as questions, that is, there exists negative transfer (Odlin, 1989) among the Chinese learners.

In the field of second language acquisition and cognitive linguistics, language transfer is one of the most important concerns for linguists to make the researches in methodology and cross-cultural comparison. The researches show that language transfer can occur at all levels (phonology, lexis, morphology, syntax and pragmatics) and all phases, (Navés et al., 2005; Burton, 2013), in addition, language transfer can be positive-the bilingual children scored higher than the monolingual children on a grammaticality judgment test (FourshaStevenson et al., 2011), negative--the multilingual learners usually make some mistakes during the study of third language because of the interference of second language (Yang, 2012), or both (Keung \& Ho, 2009).

Chinese questions study mainly focus on the classification or typology of Chinese questions (Wu, 2004 \& 2008; Zhao, 2006; Yin, 2007; Shao, 2012), syntactic, semantic or pragmatic analysis on Chinese questions (Chen, 2012; Long, 2012; Xue, 2014;), or contrast studies of Chinese and English questions (Li, 2012). As for the effects of transfer on English questions acquisition, in which the quantitative research is rare, however, then all the hypotheses or deduction about it lack the support of data. For the purpose of testifying whether language transfer have effects on the Chinese English learners acquiring English questions, we designed a questionnaire which involves 25 items, including 5 scenarios in which only interrogatives can be used as questions, 5 only rising declaratives are appropriate, 5 both can be used and the other 10 as the fillers. The questionnaire is revised by two native speakers and two pilot studies of three native speakers respectively and another two pilot studies of 10 Chinese learners respectively have been conducted to ensure the validity and reliability of the questionnaire.

## 1. INTERRROGATIVES AND RISING DECLARATIVES AS QUESTIONS AND

 LANGUAGE TRANSFERHerein, the terms interrogative and declarative refer to syntactic sentence types. Both interrogatives and rising declaratives will serve as questions, which are not limited to information questions in this paper, however. Ginzburg \& Sag (2000) argue that a root declarative clause is used to make an assertion, while a root interrogative clause is to make a query. There is a class of utterances which have a declarative form but have been analyzed as interrogatives, or as having the effect of a query. They are called as 'intonation question', 'rising declarative', 'declarative question' or 'questioning declarative'( Abeille et al., 2013: 129).

Gunlogson (2003) stated the equivalence of effects between rising declarative questions and interrogatives as :

If an utterance of $\uparrow$ Sdecl is a polar question in C , $\uparrow \operatorname{Sdecl}(\mathrm{C})=\uparrow$ Sinterr $(\mathrm{C})=\mathrm{C}$, where $\uparrow$ Sinterr and $\uparrow$ Sdecl have the same descriptive content.

Interrogatives are uninformative by nature, while declaratives satisfy the Uninformativeness Condition--an utterance of a locution L is a polar question in C only if L is uninformative with respect to $\mathrm{cs}_{\mathrm{Addr}}(\mathrm{C})$--only when the Addressee is already publicly committed to the descriptive content of the declarative, which is a contextual condition that limits the possibility of declaratives as questions. Generally, we assume that declaratives express a bias that is absent with the use of interrogatives; they cannot be used as neutral questions. A rising declarative is more marked as a question than an interrogative with the same content (Gunlogson, 2003).

Different from English, as a typical wh-in situ language, Chinese lack the kind of syntactic distinction that defines the declarative-interrogative contrast in English. Even though (Ginzburg, 2013:127) argues that English also possesses in situ unary interrogatives which express regular information question, subject-auxiliary-inversion clauses are the main form of query in English (which conforms to Gunlogson's argument). In this case, we can boldly infer that cross-linguistic influence will have effects on the Chinese English learners acquiring English questions. Such influence is termed Language Transfer (Odlin, 1989), which has often been distinguished as borrowing transfer and substratum transfer. Borrowing transfer concerns with how and to what degree a second language influences an acquired language, while substratum transfer is about how and to what degree a source language affects the acquisition of a target language cross-linguistically. Since this article will focus on native language influences, the term language transfer or transfer or will hereafter refer to substratum transfer. Language transfer can be negative or positive. Negative transfer includes 'cross-linguistic influences resulting in errors, over-production, underproduction,
miscomprehension, and other effects' (Odlin, 1989: 167). Positive transfer involves 'any facilitating effects on acquisition due to the influence of cross-linguistic similarities. '(Odlin, 1989: 168)

English as a target language has such a distinction with Chinese as a source language in syntactic structure, thus we can make an assumption that the nature of Chinese questions lacking formal distinction has the effects of negative transfer on the behavior of English learners using English questions. To determine if language transfer exists, we carry out the following empirical study.

## 2. EMPIRICAL STUDY

### 2.1 Design

We designed a questionnaire including 25 items, each of which has a scenario to control the answers. The five scenarios that function as the contexts in which a rising interrogative is acceptable but the corresponding rising declarative is unacceptable as a question are classified into Type A, five scenarios that work as the contexts in which rising declaratives are acceptable as questions and rising interrogatives are not are grouped into Type B, and another five scenarios that serve as the contexts in which both the rising interrogative and the rising declarative versions of a question are acceptable are into Type C. And the other ten are fillers.

What we primarily concern are Type B and Type C since our aim is to observe whether there is the negative transfer in the learners' acquisition of rising declaratives as questions. Gunlogson (2003) states that contexts in which rising declaratives can be used as questions but rising interrogatives cannot be are rare to nonexistent. There are chiefly two kinds: echoing questions and declaratives involving sorts of modifiers or bias markers (such as of course), which are the construction fundamentals for Type B. Type C aims at finding whether there exists the tendency or preference of using rising declarative as questions among Chinese participants. The existence of this tendency can prove our hypothesis that there is negative transfer.

### 2.2 Participants

Ten native undergraduate students at age 20-21 were enrolled in the native group, among which 7 copies of questionnaire are valid, 46 Chinese undergraduates at the same age participated in the study, with 37 copies valid, and 18 Chinese graduates are in another group, with 1 copy invalid.

The native speaker group works as the control group. The Chinese undergraduates are sophomores of a Shanghai university who have learned English at least 13 years, and those in the graduate group who specialize in English are expected that whose behavior would resemble the native speakers more than the undergraduate group.

## 3. RESULTS

The results of the independent $t$ test indicate that there is a statistically significant difference between the natives and the undergraduates in Type B and Type C, and the difference exists in Type A, even though there are only two items reflecting the difference. The detailed results are as follows ${ }^{1}$ :

|  | $\boldsymbol{t}$-value | $\boldsymbol{p}$ |
| :--- | :---: | :---: |
| Item 1 (Type A) | $\mathrm{t}(36)=2.09$ | 0.04 |
| Item 25 (Type A) | $\mathrm{t}(36)=2.38$ | 0.02 |
| Item 6 (Type B) | $\mathrm{t}(42)=2.58$ | 0.01 |
| Item 12(Type B) | $\mathrm{t}(36)=7.699$ | 0.00 |
| Item 21(Type B) | $\mathrm{t}(42)=2.37$ | 0.02 |
| Item 23(Type B) | $\mathrm{t}(36)=3.65$ | 0.00 |
| Item 8 (Type C) | $\mathrm{t}(6.54)=2.56$ | 0.04 |
| Item 14 (Type C) | $\mathrm{t}(6.78)=2.41$ | 0.05 |
| Item 16 (Type C) | $\mathrm{t}(6.40)=2.84$ | 0.03 |

Meanwhile, the results of the independent $t$ test between the native group and the graduates were not significant except item 12 and 16 , showing that there is no significant difference between them.

|  | $t$-value | $\boldsymbol{p}$ |
| :--- | :---: | :---: |
| Item 12(Type B) | $t(16)=2.22$ | 0.04 |
| Item 16 (Type C) | $t(6.96)=2.74$ | 0.03 |

## 4. CONCLUSION

Before making the conclusion that negative transfer influences the acquisition of rising declarative as questions among the Chinese undergraduates, we should make a deeper research in the reasons which lead to the differences. First analysis will begin with Type B, in which 4 items manifest difference. But opposite to our expectation that most participants will choose rising declaratives as questions since Chinese lack the subject-auxiliary-inversion form in questioning, the majority of them (item 6: $73 \%$; item 12: $62 \%$; item 21: $68 \%$; item 23: $30 \%$ ) chose interrrogatives. The only exception is the ninth item of the questionnaire, different from the other four which are either echoing questions or with modifiers in the middle of the sentences, whose bias marker is in the initial position of the sentence:

Item 9. Scenario: A and B notice that their friend Jane's car is parked in front of her office building.

A: Jane's car is parked in front.
B's response:
a. Therefore is she in the office?

[^0]b. Therefore she's in the office?

In addition, compared with the other three, the proportion of those who chose interrogatives as questions in item 23 is lower. The reason is that this is not a strict echoing question, instead, it is a statement that shows the surprise of the speaker:

Item 23. Scenario: $\quad B$ is hosting a party for all of his friends. He invited his pal Professor Johnny but he doesn't expect that he will show up because they have just had a fight.

A: Your friend Professor Johnny has arrived, B's response:
a. He's here? He came here?
b. Is he here? Did he come here?

Between the natives and the Chinese graduates, the differences exist only in two items: item 12 of Type B and item 16 of Type C. Item 12 is an echoing question, and only 4 out of 17 chose interrogative as the form of query, consequently this is not significant compared with the undergraduate group. It terms of Type C, the graduate group present preference to the rising declarative except item 16:

Item 16. Scenario: In the copy room, A notices that her coworker B is struggling to use one of the two printers.

A:That printer tray is empty.
B's response:
a. Is it? Thanks. I'll use another one.
b. It is? Thanks. I'll use another one.

It seems apparently that we cannot absolutely prove the existence of negative transfer in Type B that only rising declaratives are acceptable as questions and Type C that both the rising interrogative and the rising declarative versions of a question are acceptable.

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## APPENDIX I STATISTICS OF INDEPENDENT T TEST

STATISICS OF INDEPENDENT $T$ TEST

|  | Group | $N$ | Mean | Std. Deviation | Std. Error Mean |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TypeA01 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative graduate | 17 | 1. 06 | . 243 | . 059 |
| TypeA05 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative graduate | 17 | . 94 | . 243 | . 059 |
| TypeA18 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative graduate | 17 | . 82 | . 529 | . 128 |
| TypeA20 | Native | 7 | 1. 14 | . 378 | . 143 |
|  | nonnative graduate | 17 | . 94 | . 429 | . 104 |
| TypeA25 | Native | 7 | 1. 00 | . $000{ }^{\text {a }}$ | . 000 |
|  | nonnative graduate | 17 | 1. 00 | $.000^{\text {a }}$ | . 000 |
| TypeB06 | Native | 7 | . 71 | . 488 | . 184 |
|  | nonnative graduate | 17 | . 35 | . 493 | . 119 |
| TypeB09 | Native | 7 | . 86 | . 690 | . 261 |
|  | nonnative graduate | 17 | . 82 | . 393 | . 095 |
| TypeB12 | Native | 7 | 1.00 | . 000 | . 000 |
|  | nonnative graduate | 17 | . 76 | . 437 | . 106 |
| TypeB21 | Native | 7 | . 86 | . 690 | . 261 |
|  | nonnative graduate | 17 | . 41 | . 618 | . 150 |
| TypeB23 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative graduate | 17 | . 88 | . 332 | . 081 |
| TypeC03 | Native | 7 | . 86 | . 900 | . 340 |
|  | nonnative graduate | 17 | . 53 | . 624 | . 151 |
| TypeC08 | Native | 7 | 1. 14 | . 900 | . 340 |
|  | nonnative graduate | 17 | . 59 | . 507 | . 123 |
| TypeC11 | Native | 7 | 1. 00 | . 816 | . 309 |

To be continued

## Continued

| TypeC14 | nonnative graduate | 17 | .53 | .514 | .125 |
| :--- | :--- | :---: | :---: | :--- | :--- |
|  | Native | 7 | 1.14 | .900 | .340 |
|  | nonnative graduate | 17 | .82 | .529 | .128 |
| TypeC16 | Native | 7 | 1.14 | .900 | .340 |
|  | nonnative graduate | 17 | .18 | .393 | .095 |

a. $t$ cannot be computed because the standard deviations of both group are 0 .

Group Statistics

| Group |  | $N$ | Mean | Std. Deviation | Std. Error Mean |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TypeA01 | Native | 7 | 1.00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 89 | . 315 | . 052 |
| TypeA05 | Native | 7 | 1.00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 92 | . 277 | . 045 |
| TypeA18 | Native | 7 | 1.00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 86 | . 419 | . 069 |
| TypeA20 | Native | 7 | 1. 14 | . 378 | . 143 |
|  | nonnative undergraduates | 37 | . 86 | . 347 | . 057 |
| TypeA25 | Native | 7 | 1.00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 86 | . 347 | . 057 |
| TypeB06 | Native | 7 | . 71 | . 488 | . 184 |
|  | nonnative undergraduates | 37 | . 24 | . 435 | . 072 |
| TypeB09 | Native | 7 | . 86 | . 690 | . 261 |
|  | nonnative undergraduates | 37 | . 54 | . 505 | . 083 |
| TypeB12 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 38 | . 492 | . 081 |
| TypeB21 | Native | 7 | . 86 | . 690 | . 261 |
|  | nonnative undergraduates | 37 | . 35 | . 484 | . 080 |
| TypeB23 | Native | 7 | 1. 00 | . 000 | . 000 |
|  | nonnative undergraduates | 37 | . 73 | . 450 | . 074 |
| TypeC03 | Native | 7 | . 86 | . 900 | . 340 |
|  | nonnative undergraduates | 37 | . 22 | . 417 | . 069 |
| TypeC08 | Native | 7 | 1. 14 | . 900 | . 340 |
|  | nonnative undergraduates | 37 | . 24 | . 435 | . 072 |
| TypeC11 | Native | 7 | 1.00 | . 816 | . 309 |
|  | nonnative undergraduates | 37 | . 57 | . 502 | . 083 |
| TypeC14 | Native | 7 | 1. 14 | . 900 | . 340 |
|  | nonnative undergraduates | 37 | . 30 | . 520 | . 085 |
| TypeC16 | Native | 7 | 1. 14 | . 900 | . 340 |
|  | nonnative undergraduates | 37 | . 16 | . 374 | . 061 |

Independent Samples Test

|  |  | Levene's Test for Equality of Variances |  |  |  | $t$-test for Equality of Means |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | F | Sig. | $t$ | $d f$ | $\underset{\text { (2-tailed) }}{\text { Sig. }}$ | Mean Difference | Std. Error Difference | 95\% Confidence Interval of the Difference |  |
|  |  | Lower |  |  |  |  |  |  | Upper |
| TypeA01 | Equal variances assumed |  | 4. 195 | . 047 | . 900 | 42 | . 373 | . 108 | . 120 | -. 134 | . 351 |
|  | Equal variances not assumed |  |  | 2. 089 | 36.000 | . 044 | . 108 | . 052 | . 003 | . 213 |
| TypeA05 | Equal variances assumed | 2. 837 | . 100 | . 768 | 42 | . 447 | . 081 | . 106 | -. 132 | . 294 |
|  | Equal variances not assumed |  |  | 1. 782 | 36.000 | . 083 | . 081 | . 045 | -. 011 | . 173 |
| TypeA18 | Equal variances assumed | 5. 699 | . 022 | . 845 | 42 | . 403 | . 135 | . 160 | -. 188 | . 458 |


|  | Equal variances not assumed |  |  | 1.961 | 36.000 | .058 | .135 | .069 | -.005 | .275 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| TypeA20 | Equal variances assumed | .011 | .916 | 1.920 | 42 | .062 | .278 | .145 | -.014 | .570 |
|  | Equal variances not assumed |  |  | 1.807 | 8.027 | .108 | .278 | .154 | -.076 | .632 |
| TypeA25 | Equal variances assumed | 5.866 | .020 | 1.022 | 42 | .313 | .135 | .132 | -.132 | .402 |
|  | Equal variances not assumed |  |  | 2.372 | 36.000 | .023 | .135 | .057 | .020 | .251 |
| TypeB06 | Equal variances assumed | .192 | .663 | 2.580 | 42 | .013 | .471 | .183 | .103 | .839 |
|  | Equal variances not assumed |  |  | 2.381 | 7.910 | .045 | .471 | .198 | .014 | .928 |
| TypeB09 | Equal variances assumed | .010 | .923 | 1.434 | 42 | .159 | .317 | .221 | -.129 | .762 |
|  | Equal variances not assumed |  |  | 1.157 | 7.266 | .284 | .317 | .274 | -.326 | .959 |
| TypeB12 | Equal variances assumed | 106.249 | .000 | 3.313 | 42 | .002 | .622 | .188 | .243 | 1.000 |
|  | Equal variances not assumed |  |  | 7.690 | 36.000 | .000 | .622 | .081 | .458 | .786 |
| TypeB21 | Equal variances assumed | .149 | .702 | 2.367 | 42 | .023 | .506 | .214 | .075 | .937 |
|  | Equal variances not assumed |  |  | 1.855 | 7.158 | .105 | .506 | .273 | -.136 | 1.148 |
| TypeB23 | Equal variances assumed | 24.970 | .000 | 1.573 | 42 | .123 | .270 | .172 | -.076 | .617 |
|  | Equal variances not assumed |  |  | 3.651 | 36.000 | .001 | .270 | .074 | .120 | .420 |
| TypeC03 | Equal variances assumed | 12.497 | .001 | 3.021 | 42 | .004 | .641 | .212 | .213 | 1.069 |
|  | Equal variances not assumed |  |  | 1.847 | 6.497 | .110 | .641 | .347 | -.192 | 1.474 |
| TypeC08 | Equal variances assumed | 11.554 | .001 | 4.141 | 42 | .000 | .900 | .217 | .461 | 1.338 |
|  | Equal variances not assumed |  |  | 2.589 | 6.540 | .038 | .900 | .348 | .066 | 1.733 |
| TypeC11 | Equal variances assumed | .853 | .361 | 1.880 | 42 | .067 | .432 | .230 | -.032 | .897 |
|  | Equal variances not assumed |  |  | 1.354 | 6.884 | .219 | .432 | .319 | -.326 | 1.190 |
|  | Equal variances assumed | 5.821 | .020 | 3.481 | 42 | .001 | .846 | .243 | .355 | 1.336 |
|  | Equal variances not assumed |  |  | 2.411 | 6.777 | .048 | .846 | .351 | .011 | 1.680 |

## Independent Samples Test

|  | Independent Samples Test |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

To be continued

Continued

|  |  | Levene's Test for Equality of Variances |  | t-test for Equality of Means |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | F | Sig. | t | df | $\underset{\text { (2-tailed) }}{\text { Sig. }}$ | Mean Difference | Std. Error Difference | 95\% Confidence Interval of the Difference |  |
|  |  | Lower |  |  |  |  |  |  | Upper |
| TypeB06 | Equal variances assumed |  | . 430 | . 519 | 1. 638 | 22 | . 116 | . 361 | . 221 | -. 096 | . 819 |
|  | Equal variances not assumed |  |  | 1. 644 | 11.343 | . 127 | . 361 | . 220 | -. 121 | . 843 |
| TypeB09 | Equal variances assumed | 1.955 | . 176 | . 152 | 22 | . 880 | . 034 | . 221 | -. 425 | . 492 |
|  | Equal variances not assumed |  |  | . 121 | 7.658 | . 907 | . 034 | . 278 | -. 612 | . 679 |
| TypeB12 | Equal variances assumed | 16.477 | . 001 | 1. 405 | 22 | . 174 | . 235 | . 167 | -. 112 | . 583 |
|  | Equal variances not assumed |  |  | 2. 219 | 16. 000 | . 041 | . 235 | . 106 | . 010 | . 460 |
| TypeB21 | Equal variances assumed | . 082 | . 777 | 1. 553 | 22 | . 135 | . 445 | . 287 | -. 149 | 1. 040 |
|  | Equal variances not assumed |  |  | 1. 480 | 10. 205 | . 169 | . 445 | . 301 | -. 223 | 1. 114 |
| TypeB23 | Equal variances assumed | 4. 556 | . 044 | . 925 | 22 | . 365 | . 118 | . 127 | -. 146 | . 381 |
|  | Equal variances not assumed |  |  | 1. 461 | 16. 000 | . 163 | . 118 | . 081 | -. 053 | . 288 |
| TypeC03 | Equal variances assumed | 1. 677 | . 209 | 1. 028 | 22 | . 315 | . 328 | . 319 | -. 334 | . 989 |
|  | Equal variances not assumed |  |  | . 880 | 8. 489 | . 403 | . 328 | . 372 | -. 522 | 1. 178 |
| TypeC08 | Equal variances assumed | 5. 661 | . 026 | 1.934 | 22 | . 066 | . 555 | . 287 | -. 040 | 1. 149 |
|  | Equal variances not assumed |  |  | 1. 534 | 7.625 | . 166 | . 555 | . 362 | -. 287 | 1. 396 |
| TypeC11 | Equal variances assumed | . 338 | . 567 | 1.713 | 22 | . 101 | . 471 | . 275 | -. 099 | 1. 040 |
|  | Equal variances not assumed |  |  | 1. 414 | 8. 042 | . 195 | . 471 | . 333 | -. 296 | 1. 238 |
| TypeC14 | Equal variances assumed | 4. 388 | . 048 | 1. 092 | 22 | . 287 | . 319 | . 292 | -. 287 | . 926 |
|  | Equal variances not assumed |  |  | . 879 | 7. 768 | . 406 | . 319 | . 363 | -. 523 | 1. 162 |
| TypeC16 | Equal variances assumed | 10.178 | . 004 | 3.729 | 22 | . 001 | . 966 | . 259 | . 429 | 1. 504 |
|  | Equal variances not assumed |  |  | 2.736 | 6. 963 | . 029 | . 966 | . 353 | . 130 | 1. 802 |

Gender:
Male
$\bigcirc$ Female
Age: $\qquad$
First Language: $\qquad$
How long have you learned English: $\qquad$ years.

For each scenario below, indicate by circling whether one or both sentences are appropriate.

1) Scenario: a question on an exam
a. Is the Earth bigger than Jupiter?
b. The Earth is bigger than Jupiter?
2) Scenario: Mary is talking about something that happened to her this afternoon.
a. I saw Jim's playing the football.
b. I saw Jim playing the football.
3) Scenario: A and B are discussing plans to have a party at their house. Their friend Mary wanted to invite many people but A is worried whether they can host so many people.
A: Mary would have called everyone.
B's response:
a. And do you think that's okay?
b. And you think that's okay?
4) Scenario: A is asked to serve as a witness in a court trial in which his boss is accused. A is telling his friend B:
a. My boss asked me not to tell the truth.
b. My boss asked me to not tell the truth.
5) Scenario: A and B are considering hiring Jim as a new employee. A says:
a. The question is, does he have the qualification?
b. The question is, he has the qualification?
6) Scenario: Two school administers are discussing schedule changes for that semester.
a. Has Professor Smith of course been informed of the schedule change?
b. Professor Smith has of course been informed of the schedule change?
7). Scenario: A and B are discussing about classical music.
a. I like Mozart more than Beethoven.
b. I like Mozart better than Beethoven.
7) Scenario: A is complaining to his friend $B$ that everyone gossips in his new work place.
a. You know what I don't understand? Everyone seems to know everyone else's business.
b. Do you know what I don't understand? Everyone seems to know everyone else's business.
8) Scenario: A and B notice that their friend Jane's car is parked in front of her office building.

A: Jane's car is parked in front.
B's response:
a. Therefore is she in the office?
b. Therefore she's in the office?
10) Scenario: $A$ and $B$ are discussing a movie they saw recently.

A: I didn't like Woody Allen's new movie.
B's response:
a. I didn't like it, either.
b. I didn't like it, too.
11) Scenario: A is telling B the latest news about Professor Smith.

A: Professor Smith has taken early retirement.
B's response:
a. You said he officially retired? I thought he'd taken a sabbatical.
b. Did you say he officially retired? I thought he'd taken a sabbatical.
12) Scenario: A is telling B that he spotted a snake on the balcony. B cannot believe it.

A: There's a snake in the balcony.
B's response:
a. Is there a snake in the balcony?
b. There's a snake in the balcony?
13) Scenario: In the library, a student wants to borrow a copy of Hamlet, but the only available copy he can find is damaged. So he goes to the front desk where a librarian is working.
a. I want a different book from this one.
b. I want a book different from this one.
14) Scenario: $A$ knows that $B$ has recently bought a new toaster but he cannot seem to find it.

A: Where is the new toaster?
B's response:
a. In the kitchen. You didn't notice it?
b. In the kitchen. Didn't you notice it?
15) Scenario: There is a bad professor at A's school who has bad reputation for asking personal questions. A feels uncomfortable at the idea of taking the class and he is complaining to his friend B. B says:
a. You can simply not answer the question, can you?
b. You can simply not answer the question, can't you?
16) Scenario: In the copy room, A notices that her coworker B is struggling to use one of the two printers.

A:That printer tray is empty.
B's response:
a. Is it? Thanks. I'll use another one.
b. It is? Thanks. I'll use another one.
17) Scenario: A is a close friend of Janica and she calls her house for a chat. Instead, Janica's roommate B answers the phone.
A: May I speak to Janica?
B's response:
a. I'm afraid she's not here. Didn't you know that she's on vacation?
b. I'm afraid she's not here. Did you know that she's on vacation?
18). Scenario: A is eating a piece of papaya. B is walking by and wants to start a conversation and says:
a. Is that a papaya?
b. That's a papaya?
19) Scenario: A just came back from a wonderful vacation in Hawaii and since then she won't stopping talking about it.
A: everyone should visit Hawaii at least once.
B's response:
a. Not all people can have the chance.
b. All people cannot have the chance.
20) Scenario: In a court hearing, a defence lawyer is questioning a witness.
a. You're a member of the audit committee?
b. Are you a member of the audit committee?
21) Scenario: Professor Smith's student Ann knows that he leaves his office at 5 Pm every day. Even though it's 5:15, she is wondering if he's still there by chance and asks the secretary.
a. Has Professor Smith presumably left already?
b. Professor Smith has presumably left already?
22) Scenario: A and B are discussing whether two songs have classical influences. A thinks that they do, but B disagrees.
a. Neither of them had no classical influences.
b. Both of them had no classical influences.
23) Scenario: After a long bus ride, John looks ill. Mary comments to his friend Mike:
a. Perhaps he has motion sickness?
b. Perhaps does he have motion sickness?
24) Scenario: Ann is a fruit seller at the market. She helps a customer find apples and oranges and she says:
a. There's something else you need?
b. There's anything else you need?
25) Scenario: A is going for a walk and notices a passerby walking a dog, and he feels curious about the dog's breed. He says:
Pardon me, but...
a. That's a German Shepherd?
b. Is that a German Shepherd?


[^0]:    ${ }^{1}$ Notes: The statistics of independent t test is in Appendix I.

