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# Corrective Feedback and the Speaking Ability of Introvert and Extrovert Iranian EFL Learners

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## Abstract

Corrective feedback has recently drawn plenty of interest in applied linguistics. It is used to provide learners of a foreign language with comments on the correctness of their linguistic output. This study investigated the probable effectiveness of full/partial recast, metalinguistic, elicitation, and clarification request corrective feedback on intermediate introvert/extrovert Iranian EFL learners' speaking ability. The participants included 120 English as Foreign Language (EFL) learners who had completed IELTS preparation classes. They were selected through convenience sampling and split into two groups which were specified by two raters having a checklist of IELTS speaking band descriptors. For this research, the experimental group participants received corrective feedback, while the control group participants received no comments. The researcher administered the posttest. The findings revealed a significant difference between the speaking ability of the experimental and control groups in the posttest. The results indicated no difference between the speaking ability of introverted and extroverted learners.

Keywords: Corrective Feedback, Extrovert, Introvert, Speaking

# **INTRODUCTION**

Mackey (2006) declared that corrective feedback has intended to alert students to errors in their utterances. According to Ellis (2017), Hattie and Timperley (2007), Li (2018), Saadah, Nurkamto, and Suparno (2018), and Shaqaqi and Soleimani (2019), corrective feedback can be one of the most remarkable impacts on student language learning in general and speaking ability in particular (Chen & Liu, 2021). The efficiency of corrective feedback has been demonstrated in several investigations, which have been compiled in multiple review studies (Shute, 2008). According to Hattie and Yates (2007), feedback assists students to decrease the gap between what is evident currently and what could or should be the case; they called it the "empathy gap". The question of how teachers correct pupils has piqued the interest of both researchers and instructors (Elis, 2009). In this era in which teachers allow students to have mistakes, knowing about a functional model of corrective feedback and its effect on a particular area of language learning seems to be necessary; as a result, numerous researchers worked on the impact of corrective feedback on language (Ferris & Roberts, 2001; Chandler, 2003; Mitchener, 2005; Miceli, 2006; Sheen, 2010; Ra-



himi & Dastjerdi, 2011; Fahim and Montazeri, 2013). However, despite the inevitability of corrective feedback provision, the issue of how to treat such errors has remained a controversial point. Some believe that if errors are not identified nor corrected by teachers, they become fossilized in learners; on the other hand, some claim that too much (negative) corrective feedback may decrease learners' level of effort (Zarei & Rahnama, 2013). What makes the matter more complicated is that even those who believe in the necessity of corrective feedback have not reached a consensus on how to correct errors, and this is why the debate about whether and how to provide corrective feedback on stoond and fforeignlanguagelearners' errors is long-standing (Baker, 2009).

For almost all people, speaking a language is synonymous with understanding it, as the most fundamental communication model is speech. Human communication is impossible without speech; therefore, speaking skills are highly significant for language learners, be it English or any other language. Nonetheless, as Baily and Savage (1994) noted, communicating in a foreign/ second language is sometimes the most difficult of the four language abilities. It is considered the most demanding skill among the four skills because it requires a complicated meaning creation procedure (Celce-Murcia & Olshtain, 2000). Celce-Murica (2001) states that speaking is a completed skill and should be taught everywhere, and it is a skill that will lead to better learning in groups. The positive effect of different types of corrective feedback on EFL learners' speaking skills is among research findings reported in the extant literature (Chen & Liu, 2021; Muhsin, 2016). Moreover, there has been an increasing understanding and sensitivity in recent decades regarding the need of teachers learning more about learners' personality characteristics, which are clarified as "the relatively enduring style of thinking, feeling, and acting that characterizes an individual" (Costa, McCrae & Kay as cited in Navidnia, 2009, pp. 80-81). This knowledge is, indeed, attributable in part – if not entirely – to the influence of clinical psychology on school

psychology in recent years, highlighting the unique personality traits of pupils (Na, Lin-Yao, & Ji-Wei, 2008) in a never-ending effort to keep all students happy (Senel, 2006).

In L2 research, extroversion/introversion is a personality characteristic that has gotten much attention (Dornyei, 2005). The extroverted personality is marked by friendliness, vitality, and hyperactivity, whereas the introverted personality is marked by dismissiveness and solitariness (Eysenck & Barrett, 1985). Moreover, an extrovert is identified as an individual whose "conscious interaction is more often directed towards other people and events than towards the person themselves". In contrast, an introvert is known as a person "who tends to avoid social contact with others and is often preoccupied with his/her feelings, thoughts, and experience" (Richards & Schmidt, 2010, p. 195). Despite the reality that personality types have been considered crucial variables in the success of the language acquisition process, there has not been much focus on it. There is a significant argument among researchers. Some researchers believe that introverts are better learners (Dewaele & Furnham, 2000; Sidek, 2012), while others have suggested evidence favouring extrovert learners (Gan, 2011).

In a related study by Rahmati (2014), extrovert and introvert EFL learners' attitudes were compared with a focus on errors and their preferences for the necessity, time, and correction techniques along with their preferences for the types of errors correction in speaking. They preferred all their errors corrected, but delayed correction was the most preferable, with postponed and immediate correction following it. Moreover, clarification requests were the most preferable correction techniques, with recasts, and repetition techniques coming next, respectively. They also believed that teacher correction is the most preferable, with self-correction following it closely, and peer correction was given the least preference. In their views, errors of word choice and pronunciation should be given the highest attention, while grammatical errors should not be regarded in speaking. In another related study by Rezvani and Sadeghi (2016),

the connection between foreign language anxiety and extroversion/ introversion personality types was investigated. Also, the way they conceptualized their fear of negative evaluation as a component of foreign language anxiety construct was investigated. Using Eysenck Personality Questionnaire, 50 students were chosen as introverts and extroverts. To measure their level of anxiety, Foreign Language Classroom Anxiety Scale was applied. Findings indicated that extroverts were significantly less anxious than introverts, and they had fear of negative evaluation from both teachers and classmates. Error correction and incongruence between student's expectations and teacher's expectation regarding language performance were among the aspects of fear of negative evaluation. In a more recent study, Marashi and Naddim (2018) analyzed the impact of information gap and opinion gap tasks on introvert and extrovert EFL students' speaking skill. 138 intermediate students were selected and responded to the Eysenck questionnaire which categorized them into introverts and extroverts. Then, four subgroups were established as introverts/extroverts undergoing the opinion gap task instruction, and introverts/extroverts experiencing the information gap task treatment. Results revealed that while extrovert students benefited more from opinion gap tasks, introverts outperformed extroverts as a result of information gap tasks. Moreover, the results supported the notion of using appropriate tasks for different personalities.

Through reviewing the existing literature, the researcher found that in general, the volume of research on the different types of corrective feedback and speaking ability of learners in EFL contexts is not rich, at least in the context of Iran. In this research paucity, no study was found on the effectiveness of five types of corrective feedback on introvert and extrovert EFL learners. With a view to this gap and taking the above arguments into account, this study aimed at investigating the impact of the mentioned types of corrective feedback on Iranian EFL learners, taking the introversion and extroversion dichotomy into account. To achieve this aim, the following research questions were formulated:

- 1. What is the effect of complete recast corrective feedback on intermediate Iranian EFL learners' speaking ability?
- 2. What is the effect of partial recast corrective feedback on intermediate Iranian EFL learners' speaking ability?
- 3. What is the effect of metalinguistic corrective feedback on intermediate Iranian EFL learners' speaking ability?
- 4. What is the effect of corrective elicitation feedback on intermediate Iranian EFL learners' speaking ability?
- 5. What is the effect of clarification request corrective feedback on intermediate Iranian EFL learners' speaking ability?
- 6. Is there any considerable difference between an introvert and extrovert intermediate Iranian EFL learners in terms of each type of corrective feedback on speaking ability?

### **METHODS**

The study's target population included all intermediate male and female EFL learners of Iran Language Institute in Babol, a northern city of Iran. In the first step, permission was received from the students of the mentioned language institute and all were willing to participate in the present study. Regarding Dörnyei's (2007) definition, sample is a group of participants whom the researcher tests to determine the result of any particular research. Convenience sampling method was applied to select the participants of intermediate students of the language institute. Convenience sampling is a type of nonprobability sampling in which individuals are sampled simply because they are "convenient" sources of data for researchers. In fact, they were selected based on convenience sampling which means the selection of the participant that are easiest to access in given conditions. 176 learners of the language institute participated in the study through convenience sampling from the population. Then, Oxford Placement Test (OPT) was administered as a proficiency test to check the homogeneity of the participants in terms of their speaking skill. OPT is known as a standardized, reliable and valid test. The test was run at the beginning of the course and 56 students were excluded to increase the homogeneity of the sample. As a result, 120 participants from equally distributed linguistic backgrounds were recruited as the study sample. The rationale behind the selection of those students was that they had already experienced making errors and being corrected, and more importantly they were familiar with these concepts. That is, the researcher selected 120 students who received an acceptable grade in OPT to make sure their language proficiency was all at the same level and were homogenous. Their scores were ranged between 28 and 47. This continuum of scores confirmed that they were intermediate learners, even though it was a homogenous group. Their age ranged from 17 to 25 years old and all were native Persian speakers.

In the initial data collection procedure, the researcher talked to the institute manager to obtain consent and negotiate with an experienced IELTS teacher with almost ten years of teaching IELTS preparation classes. He was also a PhD holder in TEFL. Also, to meet the ethical codes, the researcher thought that the data collection procedure had to be done with the teacher's cooperation.

In the second step, the researcher administered an OPT for appointing homogenized students, and those who obtained the score of 28-47 were appointed and were taken into account as an intermediate learner. Afterwards, the participants were randomly put into two groups (i.e., experimental and control groups). It is worth noting that the teacher who instructed both groups was the same. Furthermore, all participants were informed that the tasks and exams were for research only and that the study's findings would not bear their grades.

In the third stage, all the participants were given IELTS speaking sample test as a pretest,

and their speech was thoroughly recorded by their teacher for future analysis. In the next session, an Eysenck Personality Questionnaire was administered to identify and differentiate the introvert and extrovert language learners. The introversion/ extroversion questionnaire was consisted of 25 Yes/No questions. Considering specified procedures designed, the students' personality types were determined and divided into two groups as introverts and extroverts.

Reliability test is one of the technical characteristics to indicate that instruments used under the same conditions produce the same results. It should be noted that the researchers used Cronbach's alpha test to check the reliability of the questionnaire. The value of Cronbach's alpha test reported as 0.75 which is acceptable. Moreover, the validity of the instrument was checked by the researchers. That is to say, the suitability of the questionnaire was investigated and the questions were checked carefully after consulting the past studies. During all the instructional sessions (n=5), commonly-used topics of the IELTS speaking module were given as materials to both groups. The open-ended questions which were included in the IELTS speaking test were given to the participants. The questions gave the language learners more leeway to talk about their opinions. Over the treatment sessions, both the introvert and extrovert students in the experimental group received full/partial recast, metalinguistic, elicitation, and clarification request corrective feedbacks on their speaking. It is worthy to note that timing of the treatment (Talking about the mentioned questions) was same for all the students. More importantly, the frequency of receiving the correction for both types were carefully recorded by the teacher, and the results have been almost the same. That is to say, both types of the students received various kinds of feedback equally. To be more specific, a clarification request was used as a corrective feedback strategy. The teacher pretended to be perplexed to indicate to the learner that the teacher had misunderstood his or her utterance or that the utterance was problematic to some extent necessitating a repetition or reformulation. The teacher restated the correct form of the speaker's incorrect sentence by full recast feedback. The following lines present an example of full recasts.

S: There would have been many problems in this regard.

T: Yes, there would have been many problems in this regard.

However, through a partial recast, the teacher did not correct the student explicitly and by repeating the incorrect word, he provided an ambiguity in the speaker's mind to reconsider the incorrect form.

By using metalinguistic feedback, the teacher either gave comments or extra information or asked the student some related questions on correcting his utterance. For example, after a student produced a grammatically incorrect utterance, the teacher mentioned to him to consider subject-verb agreement. However, he seriously avoided providing the correct form explicitly.

It is worthy of notice that only the experimental group participants received various kinds of feedback. The control group participants were instructed according to the regular classroom practices; that is, they didn't have the chance of getting engaged in dialogic interactions, hence discovering the troublesome areas of their speaking performance by receiving various types of feedback. However, they conducted similar speaking tasks and received the traditional routine of the teacher managing the speaking part of the class (commonly including students' error correction, echoing their speech, nodding, and choosing the next speaker). At the beginning of each session, some students presented a lecture around a specific topic relevant to IELTS. Then, they reproduced a short story. The teacher dedicated the following section to topic cards and the discussions of the IELTS speaking test. Responses to the items listed on the cards were required of the pupils. The instructor delivered them the aforementioned corrective feedbacks that were repeated for the subsequent treatment sessions. Ultimately, the previous IELTS speaking topics were administered as a posttest. Data analysis was conducted at descriptive and inferential levels, using descriptive statistics, Analysis of Covariance (ANCOVA) and two-way Analysis of Variance (ANOVA)

### RESULTS

### Investigating the First Research Question

Descriptive statistics and ANCOVA were run to answer the first research question, *what is the effect of complete recast corrective feedback on intermediate Iranian EFL learners' speaking ability?* The results can be seen in tables 1 and 2.

Table 1

Descriptive Statistics of Full Recast Feedback and Speaking Ability

| Groups               | Mean    | Std. Deviation | Ν  |
|----------------------|---------|----------------|----|
| Full Recast Feedback | 35.9000 | 7.90003        | 20 |
| Control Group        | 25.7500 | 7.16626        | 20 |
| Total                | 30.8250 | 9.04657        | 40 |

As indicated in Table 1, compared to the control group, the real difference in mean scores between complete recast corrective feedback and total recast corrective feedback is relatively considerable.

As Table 1 highlights, the mean score of the full recast feedback (M=35.9, SD=7.9) was remarkably different from the mean score of the control group (M=25.75, SD=7.16).

| Between-Subjects Effects of Full Recast Feedback |                            |    |             |         |      |                        |  |  |
|--|----------------------------|----|-------------|---------|------|------------------------|--|--|
| Source   | Type III Sum<br>of Squares | df | Mean Square | F       | Sig. | Partial Eta<br>Squared |  |  |
| Corrected Model                                  | 2616.020 <sup>a</sup>      | 2  | 1308.010    | 84.057  | .000 | .820                   |  |  |
| Intercept  | 27.994                     | 1  | 27.994      | 1.799   | .188 | .046                   |  |  |
| Covariates                                       | 1585.795                   | 1  | 1585.795    | 101.909 | .000 | .734                   |  |  |
| Groups   | 684.947                    | 1  | 684.947     | 44.017  | .000 | .543                   |  |  |

15.561

37

40

39

| Table 2                                     |    |
|---|----|
| Between-Subjects Effects of Full Recast Fee | db |

a. R Squared = .820 (Adjusted R Squared = .810)

575.755

41199.000

3191.775

Table 2 reveals a substantial difference in full recast feedback compared to the control group. Because the p-value (Sig) is smaller than.05, the full recast feedback group significantly performed better than the control group on the speaking ability test.

## Investigating the Second Research Question

To answer the second research question, *what is the effect of partial recast corrective feedback on intermediate Iranian EFL learners' speaking ability*? descriptive statistics and ANCOVA were implemented, leading to the results shown in tables 3 and 4.

### Table 3

Descriptive Statistics of Partial Recast Corrective and Speaking Ability

| Groups (Immediate Post-Test) | Mean    | Std. Deviation | Ν  |
|------------------------------|---------|----------------|----|
| Partial Recast Corrective    | 37.3500 | 6.15822        | 20 |
| Control Group                | 25.7500 | 7.16626        | 20 |
| Total                        | 31.5500 | 8.83162        | 40 |

As revealed by Table 3, the actual difference in the mean scores between partial recast corrective comparing the control group is quite large. That is, the mean score for the partial recast corrective feedback (M=37.35, SD=6.15) was remarkably different from that of the other group (M=25.75, SD=7.16).

### Table 4

Descriptive Statistics of Partial Recast Corrective and Speaking Ability

| Source          | Type III Sum<br>of Squares | df | Mean<br>Square | F       | Sig. | Partial Eta<br>Squared |
|-----------------|----------------------------|----|----------------|---------|------|------------------------|
| Corrected Model | 2716.226 <sup>a</sup>      | 2  | 1358.113       | 154.296 | .000 | .893                   |
| Intercept       | 110.160                    | 1  | 110.160        | 12.515  | .001 | .253                   |
| Covariates      | 1370.626                   | 1  | 1370.626       | 155.718 | .000 | .808                   |
| Groups          | 473.114                    | 1  | 473.114        | 53.751  | .000 | .592                   |
| Error           | 325.674                    | 37 | 8.802          |         |      |                        |
| Total           | 42858.000                  | 40 |                |         |      |                        |
| Corrected Total | 3041.900                   | 39 |                |         |      |                        |

a. R Squared = .893 (Adjusted R Squared = .887)

Table 4 reveals a significant difference in partial recast correction compared with the control group. Because the p-value is less than.05, the partial recast correction group significantly outperformed the control group on the speaking ability exam.

Error

Total

Corrected Total

# Investigating the Third Research Question

The results of descriptive statistics and ANOVA run to answer the third research question, *what is the effect of metalinguistic* 

corrective feedback on intermediate Iranian EFL learners' speaking ability? are shown in tables 5 and 6.

### Table 5

Descriptive Statistics of Metalinguistic Corrective Feedback and Speaking Ability

| Groups (Immediate Post-Test)       | Mean    | Std. Deviation | Ν  |
|------------------------------------|---------|----------------|----|
| Metalinguistic Corrective Feedback | 39.3000 | 5.42023        | 20 |
| Control Group                      | 25.7500 | 7.16626        | 20 |
| Total                              | 32.5250 | 9.29568        | 40 |

Table 5 shows that compared to the control group, the actual difference in mean scores between metalinguistic corrective feedback and that of the control group is relatively considerable. As Table 5 indicates, the mean score of metalinguistic corrective feedback (M=39.3, SD=5.42) was considerably different from that of the control group (M=25.75, SD=7.16).

Table 6

Between-Subjects Effects of Metalinguistic Corrective Feedback

| Source          | Type III Sum of<br>Squares | df | Mean Square | F                 | Sig. | Partial Eta<br>Squared |
|-----------------|----------------------------|----|-------------|-------------------|------|------------------------|
| Corrected Model | 2855.966 <sup>a</sup>      | 2  | 1427.983    | 102.791           | .000 | .847                   |
| Intercept       | 317.739                    | 1  | 317.739     | 22.872            | .000 | .382                   |
| Covariates      | 1019.941                   | 1  | 1019.941    | 73.418            | .000 | .665                   |
| Groups1         | 1313.261                   | 1  | 1313.261    | 94.533            | .000 | .719                   |
| Error           | 514.009                    | 37 | 13.892      | <u> </u>          |      | -                      |
| Total           | 45685.000                  | 40 |             |                   |      |                        |
| Corrected Total | 3369.975                   | 39 | •           | · · · · · · · · · |      | -                      |

a. R Squared = .847 (Adjusted R Squared = .839)

Based on Table 6, there is a substantial difference in metalinguistic corrective feedback compared to the control group. Because the p-value (Sig) is less than.05, the metalinguistic corrective feedback group significantly performed better than the control group on the speaking ability test.

### Investigating the Fourth Research Question

To find an answer to the fourth research question, what is the effect of corrective elicitation feedback on intermediate Iranian EFL learners' speaking ability, the results of descriptive statistics and ANCOVA was obtained, which are indicated in tables 7 and 8.

#### Table 7

Descriptive Statistics of Elicitation Corrective Feedback and Speaking Ability

| Groups                          | Mean    | Std. Deviation | Ν  |
|---------------------------------|---------|----------------|----|
| Elicitation Corrective Feedback | 40.4000 | 3.58946        | 20 |
| Control Group                   | 25.7500 | 7.16626        | 20 |
| Total                           | 33.0750 | 9.29126        | 40 |

According to Table 7, compared to the control group, the difference in mean scores between corrective elicitation feedback and the control group is relatively considerable. The mean score for the corrective elicitation feedback (M=40.4, SD=3.58) was remarkable different from that of the control group (M=25.75, SD=7.16).

| Source          | Type III Sum of<br>Squares | df | Mean Square | F       | Sig. | Partial Eta<br>Squared |
|-----------------|----------------------------|----|-------------|---------|------|------------------------|
| Corrected Model | 2955.225ª                  | 2  | 1477.612    | 132.843 | .000 | .878                   |
| Intercept       | 485.978                    | 1  | 485.978     | 43.691  | .000 | .541                   |
| Covariates      | 809.000                    | 1  | 809.000     | 72.732  | .000 | .663                   |
| Groups1         | 1624.172                   | 1  | 1624.172    | 146.019 | .000 | .798                   |
| Error           | 411.550                    | 37 | 11.123      |         |      |                        |
| Total           | 47125.000                  | 40 |             |         |      |                        |
| Corrected Total | 3366.775                   | 39 |             |         |      |                        |

# Table 8 Between-Subjects Effects of Elicitation Corrective Feedback

a. R Squared = .878 (Adjusted R Squared = .871)

Table 8 indicates a significant difference in partial recast correction compared with the control group. Elicitation corrective feedback outperformed the control group on speaking ability test results because the sig value is.00, which is less than.05.

## Investigating the Fifth Research Question

Answering the fifth research question "What is the effect of clarification request corrective feedback on intermediate Iranian EFL learners' speaking ability?" required running another descriptive statistic and ANCOVA, whose results are shown in tables 9 and 10

### Table 9

Descriptive Statistics of Clarification Request Corrective Feedback and Speaking Ability

| Groups                        | Mean    | Std. Deviation | Ν  |
|-------------------------------|---------|----------------|----|
| Clarification RequestFeedback | 45.0500 | 3.67746        | 20 |
| Control Group                 | 25.7500 | 7.16626        | 20 |
| Total                         | 35.4000 | 11.27466       | 40 |

As demonstrated in Table 9, the actual difference in mean scores between clarification requests corrective feedback and the control group is relatively considerable. As Table 9 reveals, the mean score for the clarification request corrective feedback (M=45.05, SD=3.67) was remarkably different from that of the control group (M=25.75, SD=7.16).

### Table 10

| Tests of Between-Subje | cts Effects of Clarification | Request Corrective Feedback |  |
|------------------------|------------------------------|-----------------------------|--|
|                        |                              |                             |  |

| Source          | Type III Sum of<br>Squares | df       | Mean Square | F       | Sig. | Partial Eta<br>Squared |
|-----------------|----------------------------|----------|-------------|---------|------|------------------------|
| Corrected Model | 4298.382 <sup>a</sup>      | 2        | 2149.191    | 120.628 | .000 | .867                   |
| Intercept       | 886.383                    | 1        | 886.383     | 49.750  | .000 | .573                   |
| Covariates      | 573.482                    | 1        | 573.482     | 32.188  | .000 | .465                   |
| Groups1         | 3074.677                   | 1        | 3074.677    | 172.573 | .000 | .823                   |
| Error           | 659.218                    | 37       | 17.817      | -       |      | -                      |
| Total           | 55084.000                  | 40       | -           | -       |      | -                      |
| Corrected Total | 4957.600                   | 39       |             |         |      |                        |
| - D G           |                            | <u> </u> | 0.60        | -       |      | -                      |

a. R Squared = .867 (Adjusted R Squared = .860)

Table 10 reveals a substantial difference in clarification recast correction feedback compared with the control group. Because the sig value is less than.05, the clarification requests

corrective feedback group significantly outperformed the control group on the speaking ability exam.

# *Investigating the Sixth Research Question* Regarding the 6<sup>th</sup> question, descriptive sta-

tistics and a two-way ANOVA Test were run to examine the impact of corrective feedback and personality types on EFL students' speaking ability. Tables 11 and 12 show the results.

# Table 11

Descriptive Statistics

| Corrective Feedback                       | Туре      | Mean    | Std. Deviation                | Ν   |
|---|-----------|---------|-------------------------------|-----|
|   | Introvert | 35.3000 | 7.42443                       | 10  |
| Full Recast                               | Extrovert | 36.5000 | 8.70823                       | 10  |
| —   | Total     | 35.9000 | 7.90003                       | 20  |
|   | Introvert | 38.9000 | 4.58136                       | 10  |
| Metalinguistic Corrective -<br>Feedback - | Extrovert | 39.7000 | 6.37791                       | 10  |
| Tecuback                                  | Total     | 39.3000 | 5.42023                       | 20  |
|   | Introvert | 36.5000 | 6.36396                       | 10  |
| Partial Recast Corrective                 | Extrovert | 38.2000 | 6.16081                       | 10  |
| —   | Total     | 37.3500 | 6.15822                       | 20  |
|   | Introvert | 40.1000 | 5.42023<br>6.36396<br>6.16081 | 10  |
| Elicitation Corrective Feedback           | Extrovert | 40.7000 | 3.97352                       | 10  |
| —   | Total     | 40.4000 | 3.58946                       | 20  |
|   | Introvert | 43.2000 | 3.85285                       | 10  |
| Clarification Request Correc-             | Extrovert | 46.9000 | 2.46982                       | 10  |
|   | Total     | 45.0500 | 3.67746                       | 20  |
|   | Introvert | 38.8000 | 5.83795                       | 50  |
| Total                                     | Extrovert | 40.4000 | 6.72492                       | 50  |
|   | Total     | 39.6000 | 6.31656                       | 100 |

### Table 12

# Tests of Between-Subjects Effects

| Source  | Type III Sum of<br>Squares | df  | Mean Square                           | F       | Sig. | Partial Eta<br>Squared |
|---|----------------------------|-----|---------------------------------------|---------|------|------------------------|
| Corrected Model                               | $1078.800^{a}$             | 9   | 119.867                               | 3.757   | .000 | .273                   |
| Intercept                                     | 156816.000                 | 1   | 156816.000                            | 4.916E3 | .000 | .982                   |
| Corrective<br>Feedback                        | 983.700                    | 4   | 245.925                               | 7.709   | .000 | .255                   |
| Personality Type                              | 64.000                     | 1   | 64.000                                | 2.006   | .160 | .022                   |
| Corrective<br>Feedback* Perso-<br>nality Type | 31.100                     | 4   | 7.775                                 | .244    | .913 | .011                   |
| Error   | 2871.200                   | 90  | 31.902                                |         |      |                        |
| Total   | 160766.000                 | 100 | - <u>-</u>                            |         |      |                        |
| Corrected Total                               | 3950.000                   | 99  | · · · · · · · · · · · · · · · · · · · |         |      |                        |

a. R Squared = .273 (Adjusted R Squared = .200)

Table 12 informs us whether our independent variables (corrective feedback and personality type) and their interaction ("corrective feedback "\*" personality type" row) have a statistically remarkable effect on the dependent variable, "speaking ability". It is vital, to begin with the interaction because it will impact how we perceive our outcomes. At the p =.913 level, the "Sig." column indicates no statistically remarkable interaction. Furthermore, as highlighted in the table above, there was a remarkable difference in the type of feedback (p = .00), but no statistically considerable difference between introverted and extroverted intermediate EFL learners (p=.16).

# CONCLUSION

The results showed that different types of corrective feedback, including complete recast, partial recast, metalinguistic feedback, elicitation, and clarification request, significantly affected EFL learners' speaking ability. Moreover, it was found that different types of feedbacks did not impact introvert and extrovert learners differently.

Although corrective feedback has not been so far probed concerning extroversion and introversion dichotomy, the findings are consistent with the previous studies, including Desouky (2016), Li (2018), Nabei and Swain (2002), Rodrguez and Perdomo (2002), Saadah, Nurkamto, and Suparno (2018), and Shaqaqi and Soleimani, (2019) which proved the significant effect of corrective feedback types on oral production of learners in EFL contexts. As an argument that can justify the findings, it can be stated that corrective feedback supports metacognitive thinking among EFL learners (Desouky, 2016). Another justification is that corrective feedback may increase learners' motivation to learn the language (Kamalaian & Sayadian, 2014) and this may lead to a higher level of speaking ability among them. Furthermore, the argument according to which corrective feedback can facilitate the active process of retrieving knowledge to apply it to a novel circumstance and help students reach higher order thinking skills (Bishop & Verleger, 2013) can be referred to in justifying the findings.

From the researcher's viewpoint, another justifying point is that corrective feedback enhances collaboration, communication, and information sharing among EFL learners. Moreover, the researcher believes that corrective feedback can improve learners' self-regulation skills and this in turn, contributes to higher speaking ability among them. Furthermore, the researcher believes that another possible justification for the positive effect of corrective feedback practice on learners' speaking performance is that corrective feedback may increase learners' autonomy, which in turn leads to their significant improvement in English speaking. Radia's (2019) argument that corrective feedback may help students monitor their progress can also justify the findings of this study.

Based on the results, it can be concluded that English teachers can see improvements in students' speaking ability by applying different types of corrective feedback as an essential dimension of EFL learning. The other conclusion taken from the results is that since the effectiveness of corrective feedback has been proved in this study, teachers can encourage students so that they do not have negative perceptions of corrective feedback as a belittling strategy. In other words, since attitudes and perceptions are essential in learners' language performance, keeping positive perceptions towards corrective feedback can be helpful.

The study results can inform EFL teachers about the potential of different forms of corrective feedback in enhancing EFL learners' speaking ability and the need to use them in speaking classes. In addition, since students usually do not hold positive perceptions of corrective feedback, EFL teachers should use them in speaking classes to become motivated concerning its use. Moreover, taking the findings into account, another implication is that curriculum planners design future curricula in speaking courses so that the use of corrective feedback is more encouraged.

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