Spanish version of Colquitt’s Organizational Justice Scale

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Abstract

Background: Organizational justice (OJ) is an important predictor of different work attitudes and behaviors. Colquitt’s Organizational Justice Scale (COJS) was designed to assess employees’ perceptions of fairness. This scale has four dimensions: distributive, procedural, informational, and interpersonal justice. The objective of this study is to validate it in a Spanish sample.

Method: The scale was administered to 460 Spanish employees from the service sector. 40.4% were men and 59.6% women.

Results: The Confirmatory Factor Analysis (CFA) supported the four dimensions structure for Spanish version of COJS. This model showed a better fit to data that the others models tested. Cronbach's alpha obtained for subscales ranged between .88 and .95. Correlations of the Spanish version of COJS with measures of incivility and job satisfaction were statistically significant and had a moderate to high magnitude, indicating a reasonable degree of construct validity.

Conclusions: The Spanish version of COJS has adequate psychometric properties and may be of value in assessing OJ in Spanish setting.

Keywords: Organizational Justice Scale, Spanish validation, confirmatory factor analysis, work incivility, job satisfaction, service sector.

Resumen

Versión española de la Escala de Justicia Organizacional de Colquitt.

Antecedentes: la justicia organizacional (JO) es un predictor importante de diferentes actitudes y conductas organizacionales. La Escala de Justicia Organizacional de Colquitt (EJOC) fue desarrollada para evaluar las percepciones de justicia de los empleados. Tiene cuatro dimensiones: justicia distributiva, procedimental, informativa e interpersonal. El objetivo de este estudio es validarla en una muestra española.

Método: la escala fue administrada a una muestra de 460 trabajadores españoles del sector servicios. El 40,4% fueron hombres y el 59,6% mujeres.

Resultados: el Análisis Factorial Confirmatorio (AFC) apoyó la estructura de cuatro dimensiones para la versión española de la EJOC. Este modelo mostró un mejor ajuste de los datos que los otros modelos probados. El alfa de Cronbach obtenido para las subescalas varió entre .88 y .95. Las correlaciones de la versión española con las escalas de incivismo y satisfacción laboral fueron estadísticamente significativas y de una magnitud moderada a alta, lo que indica un grado razonable de validez de constructo.

Conclusiones: la versión española de la EJOC tiene propiedades psicométricas adecuadas y puede ser de utilidad en la evaluación de la JO en el entorno español.

Palabras clave: Escala de Justicia Organizacional, validación española, análisis factorial confirmatorio, incivismo laboral, satisfacción laboral, sector servicios.

Research, theorizing, and practical applications of organization justice (OJ) have been rising significantly in the last thirty years. OJ is a construct introduced by Greenberg (1987) to refer to people's perceptions of fairness in organizations. Specifically, it is concerned with the ways in which employees determine whether they have been treated fairly in their jobs and the ways in which these determinations influence other work-related variables. This conceptualization of justice focuses on justice not as it should be (Greenberg, Bies, & Eskew, 1991), but as it is perceived by individuals. In this sense, understanding matters of justice requires an understanding of what people perceive to be fair. This descriptive orientation has been of keen interest for scientists from many disciplines (Cohen, 1986).

One reason for the increase of interest in OJ is that it is an important predictor of different work attitudes and behaviors (Croppanzano, Byrne, Bobocel, & Rupp, 2001). Meta-analytic findings linking justice perceptions to work attitudes and performance have fuelled widespread interests in applying justice interventions to improve effectiveness in organizations (Cohen-Charash & Spector, 2001; Colquitt et al., 2013).

Research has shown that employees’ perceptions of fairness are positively related to organizational commitment (DeConick, 2010), perceived organizational support (Cohen-Charash & Spector, 2001), leader-member exchange (Colquitt et al., 2013), task performance (Masterson, Lewis, Goldman, & Taylor, 2000), trust (DeConick, 2010), organizational citizenship behavior (Colquitt et al., 2013), and job satisfaction (Patlán-Pérez, Martínez, & Hernández, 2012).

On the other hand, justice perceptions are negatively related to turnover intentions (Folger & Cropanzano, 1998), counterproductive work behaviors (Becholdt, Welk, Hartig, & Zaph, 2007), absenteeism (De Boer, Bakker, Syrot, & Schaufeli, 2002), burnout (Liljegren & Ekberg, 2009), and different forms of workplace aggression (Hershcovis et al., 2007).
There are many classifications concerning the dimensions of OJ. Initially, research focused on distributive justice (DJ), which describes the fairness of the outcomes an employee receives, especially the degree to which outcomes are equitable (Adams, 1965). In the mid-seventies, some researchers took a step forward considering procedural justice (PJ), which reflects the perceived fairness of decision-making processes and the degree to which they are consistent, accurate, and ethical (Leventhal, 1980). PJ is fostered through voice during a decision-making process or influence over the outcome (Thibaut & Walker, 1975). Subsequently, the interactional justice concept was introduced, defined as the interpersonal treatment people receive as procedures are enacted (Bies & Moag, 1986). Interactional justice has been shown to comprise two distinct components: informational justice (INJ), the perceived adequacy of explanations for decision processes and outcomes, and interpersonal justice (INTJ), the perceived degree of dignity and respect shown by authorities (Greenberg, 1993).

Various measurement scales of OJ have been developed, among others: DJ (Price & Mueller, 1986), PJ and DJ (Konovsky, Folger, & Cropanzano, 1987), PJ and INTJ (Moorman, 1991), Interactional Justice (Aquino, 1995).

Colquitt (2001) explored the theoretic dimensions of justice, based on the four-factor structure suggested by Greenberg (1993), validating a new OJ measure: Colquitt’s Organizational Justice Scale (COJS). He compared multiple a priori factor structures, including one-factor, two-factor, three factor, and four-factor conceptualizations in two independent studies, one in a university setting, and the other in a field setting. Confirmatory factor analysis (CFA) illustrated that the best fitting model was the four-factor model and the worst was the one-factor model. These results suggest that OJ is best conceptualized as four distinct dimensions: DJ, PJ, INTJ, and INFJ.

Currently, COJS is one of the most widely used OJ scales in English-speaking countries (Maharee-Lawler, Rodwell, & Noblet, 2010). However, validations of this scale in Spanish-speaking countries have not been found, except for a Chilean and an Argentinian adaptation, neither of them published in scientific journals (Mladinic, 2002; Omar, Oggero, Maltaneres, & Paris, 2003).

In Spain, the only available measurement of OJ (Moliner, Martínez-Tur, & Carbonell, 2003; Moliner, Martínez-Tur, Peiró, Ramos, & Cropanzano, 2008) used items from different OJ scales. However, there are no specific adaptations of Colquitt’s scale. It is important to validate the COJS in our context, taking into account its relevance and its international use to measure OJ in work and organizational psychology research. Its theoretical bases as well as its psychometric characteristics in U.S. samples are excellent.

Therefore, the purpose of the present research is to analyze the psychometric properties of the Spanish version of COJS in a sample of Spanish employees from service sector.

Method

Participants

Participants were 460 Spanish employees in different companies and organizations from the service sector (commerce, tourism, hotel industry, information technology, transport, business services, gaming, real estate, financial, health and social services). Distribution by sex for the whole sample amounted to 185 men (40.4%), and 273 women (59.6%). Mean age was 35 years (SD = 11.13); the age of the entire sample ranged from 18 to 67 years old. The majority of the respondents lived with a partner (52.2%) and did not have children (60.07%). In terms of their level of education, the majority had a university degree (44.3%), followed by workers with high school education (27.6%). Regarding their occupational characteristics, 79.6% held subordinate positions, and 20.4% had supervisory responsibilities; 69.8% had permanent contracts, and 30.2% had temporary contracts. Most workers had a compressed work schedule (37.4%), followed by workers with a split shift (35.3%); the majority worked 40 hours per week in companies with more of 250 employees (51.1%). Within the service sector, the majority worked in business service (28.6%), followed by commercial activities (23.7%).

Missing data on COJS items were about 8%, and 5% with only one item missing, 1.8% with 2 to 4 missing items, and 1.8% with more than 8 missing items. These participants were excluded from the analyses. Items with missing values were substituted with the item mean before conducting the analysis with Mplus.

Instruments

The Spanish Version of Colquitt’s Organizational Justice Scale. This is based on Colquitt’s four-dimensional measure that includes: DJ (four items), PJ (seven items), INTJ (four items), and INFJ (five items) (see Table 1). Response options are delivered on a Likert scale ranging from 1 (to a small extent) to 5 (to a large extent), with higher scores indicating a higher level of perceived OJ. The psychometric characteristics of the original scales, as far as the factorial structure is concerned, were examined in two different samples, one composed of 301 university students and the other of 337 employees in a field setting, where a four-factor model was confirmed in both samples as the best fitting one. The subscales obtained reliability indices for DJ, PJ, INTJ, and INFJ, respectively, in the university and in the field samples: .92, .78, .79, .79, and .93, .93, .92, and .90 (Colquitt, 2001).

Workplace Incivility Scale (Cortina, Magley, Williams, & Langhout, 2001). This scale was used to measure the frequency of participants’ experiences of incivility (e.g., disrespect, rudeness). The questionnaire consists of 7 items with a five-point Likert-type scale (ranging from 0 to 4). Sample items include “put you down or was condescending to you” and “made demeaning or derogatory remarks about you”. The original scale obtained an internal consistency of .89. A Spanish adaptation of the scale was done for this study, taking into account the general rules of translation and test adaptation (Hambleton, Merenda, & Spielberger, 2005). The Spanish version obtained satisfactory internal consistency of .92.

Job Descriptive Index (JDI; Stanton et al., 2001). The JDI is comprised of 25 items. On a 3-point response scale (0 = cannot decide, 2 = yes), respondents described whether they were satisfied with five aspects of their jobs: work, pay, promotion, supervision, and coworkers. The original instrument obtained reliability indices of .84 for work, .75 for pay, .82 for promotion, .83 for supervision, and .76 for coworkers. The JDI was translated and adapted for the present study using the international methodological standards recommended by the International Test Commission (ITC) (Hambleton et al., 2005) and was administered to a subsample of 335 employees. The Spanish adaptation obtained Cronbach’s alpha reliabilities of .74 for work, .72 for pay, .65 for promotion, .66 for supervision, and .72 for coworkers.
La primera etapa en la recogida de datos consistió en contactar a diferentes asociaciones y compañías del sector de los servicios, invitando a participar en el proyecto. Después de firmar el consentimiento informado, se envió un correo electrónico a los participantes para comunicarse con ellos. Participación fue voluntaria (todos los participantes firmaron el consentimiento informado), y toda la información recibida fue confidencial.

El contexto de la adaptación del COJS a la versión española fue el trabajo en un entorno multicultural. Las traducciones fueron discutidas con varios expertos, y algunas correcciones fueron realizadas. El estudio piloto se llevó a cabo con 30 empleados de diferentes secciones del centro para evaluar el lenguaje y asegurar un adecuado entendimiento del modelo.

RESULTADOS

La interpretación de los resultados fue realizada en el programa SPSS 20.0 y Mplus 7.1. Estadísticas descriptivas para cada ítem fueron calculadas. Para la validación factorial, se realizó un estudio exploratorio con el programa Mplus 7.1. Los índices de ajuste utilizados fueron el 

Cuadro 1: Versión española de la Escala de Justicia Organizacional de Colquitt

<table>
<thead>
<tr>
<th>Justicia distributiva (DJ)</th>
<th>Justicia procedimental (PJ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>¿Has sido capaz de expresar tus puntos de vista y sentimientos ante los procedimientos utilizados para dar recompensas?</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
<tr>
<td>¿Has sido sincero en la comunicación contigo? (Has (he/she) been candid in (his/her) communications with you?)</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
<tr>
<td>¿Las explicaciones con respecto a los procedimientos para recompensarte han sido claras? (Have those procedures been clear?)</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
<tr>
<td>¿Has sido capaz de solicitar las recompensas laborales que mereces según dichos procedimientos? (Have you been able to appeal the outcome arrived at by those procedures?)</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
<tr>
<td>¿Las explicaciones con respecto a los procedimientos para recompensarte han sido justas? (Have those procedures been based on accurate information?)</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
<tr>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos? (Have you been able to appeal the outcome arrived at by those procedures?)</td>
<td>¿Has tenido influencia sobre las recompensas obtenidas a partir de dichos procedimientos?</td>
</tr>
</tbody>
</table>

Nota: Todas las items utilizan un escala de 5 puntos con valores del 1 (a pequeña escala) al 5 (a gran escala).

**Procedimiento**

El primer paso en la recogida de datos consistió en contactar a diferentes asociaciones y compañías del sector de los servicios, invitando a participar en el proyecto. Después de firmar el consentimiento informado, se envió un correo electrónico a los participantes para comunicarse con ellos. Participación fue voluntaria (todos los participantes firmaron el consentimiento informado), y toda la información recibida fue confidencial.

El contexto de la adaptación del COJS a la versión española fue el trabajo en un entorno multicultural. Las traducciones fueron discutidas con varios expertos, y algunas correcciones fueron realizadas. El estudio piloto se llevó a cabo con 30 empleados de diferentes secciones del centro para evaluar el lenguaje y asegurar un adecuado entendimiento del modelo.
and compensates for model complexity; values of .05 or lower indicate a well-fitting model, .05 to .08 indicate a moderate fit, and .10 or greater indicate poor fit (Browne & Cudeck, 1993); (c) standardized root mean square residual (SRMR), an index based on the residual covariance matrix, which assesses the discrepancy between observed and predicted covariances; values of .08 or lower indicate good fit (Hu & Bentler, 1999).

Scale and item reliability were assessed by means of Cronbach’s alpha, item-total correlations and Cronbach’s alphas without the item, as well as with supplementary indices derived from CFA.

Finally, to explore concurrent validity, the four justice dimensions were correlated with the incivility scale and the dimensions of job satisfaction, and six multiple regression analyses were performed considering as predictors the four COJS subscales, and as dependent variables the incivility and job satisfaction scales.

Results

Item analysis

Regarding the distributional properties of the 20 items, means ranged from 1.95 to 3.76 (M = 2.69, SD = 0.59), standard deviations ranged from 1.09 to 1.34 (M = 1.21, SD = 0.08), skewness ranged from -0.85 to 0.97 (M = 0.13, SD = 0.56), and kurtosis ranged from -1.21 to 0.1 (M = -0.71, SD = 0.41). Values of skewness and kurtosis were comprised between -1 and 1 (with the sole exception of INFJ, where kurtosis values exceeded -1, but were far below -2). Hence, there was evidence of deviation from the normal distribution. However, all the DJ and PJ items showed some floor effects, with percentages of responses in the lower response category exceeding 15%, whereas all the INTJ items showed some ceiling effect, with percentages of responses in the higher response category exceeding 15%. The INFJ items did not reveal either of these effects. Due to the opposite direction of these effects, we believe that they reflect the perceptions of OJ in the organizations considered in this study, rather than an artifact due to the utterances used to define the response format anchors.

Analysis of scale dimensionality

Table 2 displays the fit indices of the four CFA models testing the dimensionality or factor structure of COJS. These results show that the models positing one, two, or three factors showed inadequate fit indices (Hu & Bentler, 1999). Comparatively, the best fitting model was the one positing four factors: however, while the values of the fit indices for this model were generally acceptable, they revealed an imperfect fit. Interestingly, these values were fairly similar to those reported in the original study (Colquitt, 2001, Table 2). To examine the possible sources of miss-fit, model modification indices (MI) were examined: model fit would have improved, especially if some covariances among residuals had been estimated and, in particular, those regarding some PJ items (1-2, 3-4, 3-6) and INFJ items (2-3). There are, however, neither methodological nor theoretical reasons to include these covariances in the model; in fact, their inclusion would render model results less generalizable and more dependent on the specificity of the sample from which they were obtained.

Figure 1 presents factor loading estimates derived from the Mplus completely standardized solution. All factor loadings were statistically significant and far above .50. Moreover, the average variance extracted (AVE) was 52% for PJ and above 70% for the

<table>
<thead>
<tr>
<th>Table 2</th>
<th>Goodness of fit indices for the tested models</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>$\chi^2$</td>
</tr>
<tr>
<td>1-factor</td>
<td>2,015.79</td>
</tr>
<tr>
<td>2-factor</td>
<td>1,434.89</td>
</tr>
<tr>
<td>3-factor</td>
<td>995.68</td>
</tr>
<tr>
<td>4-factor</td>
<td>412.07</td>
</tr>
</tbody>
</table>

Note: TLI = Tucker and Lewis index; CFI = comparative fit index; RMSEA = root mean square error of approximation; SRMR = standardized root mean square residual.

All chi-squares were statistically significant at p < .001.

Figure 1. Factor loadings and factor correlations of the four-factor confirmatory factor analysis model.

Note: Results are from Mplus completely standardized solution. PJ = Procedural Justice; DJ = Distributive Justice; INTJ = Interpersonal Justice; INFJ = Informational Justice
other three forms of justice and thus, far above the recommendations of Fornell and Larcker (1981). Factor correlations were generally very high, ranging from .40 (INTJ with DJ) to .71 (DJ with PJ). One may question whether these correlations are too high to guarantee adequate discriminant validity. Two results allow us to rebut this argument: (a) the factor model positing a unique justice factor fits the data worse than the model separating the four different forms of justice. This is also confirmed when a fifth model (aggregating only PJ and DJ) was performed. This model obtained the following fit indices, which were worse than those of the four-factor model: \( \chi^2(167) = 750, \text{RMSEA} = .09, \text{TLI} = .86, \text{CFI} = .87, \text{SRMR} = .08; \) (b) the 99% confidence interval estimate for the correlation between PJ and DJ does not include 1, as its upper and lower limits were, respectively, .79 and .63.

The results obtained justify the factorial validity of the Spanish version of the instrument. Moreover, these results are fully comparable with those obtained by Colquitt (2001) both at the level of global fit of the four-factor model and of the values of item loadings. Definitely, while convergent validity is confirmed by strong correlations between the items of the scales and the latent variables that they were supposed to measure, discriminant validity is confirmed by correlations between factors far below 1.

### Reliability analysis

Reliability estimates were derived from the results of CFA as well as from traditional indices based on the classical test theory. Scale reliabilities were fairly high, considering both Cronbach’s alpha (with values of .88 for PJ, .95 for DJ, .91 for INTJ, and .94 for INFJ, thus far above the value of .70 recommended by Nunnally and Bernstein, 1994) and the composite reliability index (with values of .88 for PJ, .94 for DJ, .92 for INTJ, and .94 for INFJ, thus far above the .70 value recommended by Bagoszi and Yi, 2012). Each scale item contributed to the respective scales fairly well, with item reliability indicators (derived from CFA) ranging from .28 to .92 (\( M = .68, SD = .20 \)) and item-total corrected correlations ranging from .56 to .89 (\( M = .78, SD = .11 \)).

### Concurrent validity

Concurrent validity of the Spanish version of COJS was examined through its relations with the work incivility and job satisfaction subscales. Table 3 presents zero-order correlations between the scales. In general, correlations were moderate (about .30 or below), whereas higher correlations (about 1.40 to 1.50) were those involving satisfaction with supervision and incivility. However, the high correlations among the four COJS subscales prevent us from disentangling more clearly which specific justice dimensions are uniquely associated with the incivility and satisfaction scales. To clarify this issue, six regression analyses were performed considering as predictors the four COJS subscales and as dependent variables incivility and satisfaction scales. Results of these analyses are presented in Table 3. Although significantly correlated with all variables, PJ had no significant unique effect on any of the variables, and its impact was mainly subsumed by the other forms of OJ, with which it had high correlations (see Figure 1). DJ was mainly related to satisfaction with pay (with a unique effect of about .40) and promotion (with a lower but significant unique effect of about .30). INTJ was mainly related to satisfaction with supervision (with a unique contribution of about .30), and incivility (with a unique contribution of about .30). Finally, INFJ was mainly related to satisfaction with work and with supervision (with significant unique effects of about .30), and incivility (with a unique contribution of about -.30). In general the variance explained by the four justice scales was lower as far as satisfaction with work, pay, promotion and coworker were concerned (from 13% to 21%), but higher for incivility (27%) and especially for satisfaction with supervision (41%).

### Discussion

COJS is one of the most widely used OJ scales worldwide, with strong theoretical bases and proven psychometric properties in different countries (e.g., Colquitt, 2001; Olsen, Myrseth, Eidhammer, & Hystad, 2012). To our knowledge, despite the importance of this scale, no Spanish adaptations had been previously performed. Hence, the main purpose of the present study was to validate the Spanish version of COJS (Colquitt, 2001) in a Spanish sample.

Findings from this study confirm its validity. Our results were consistent with those reported in previous studies (e.g., Colquitt, 2001; Olsen et al., 2012), which indicated a four-factor solution: DJ, PJ, INTJ, and INFJ. These aspects of OJ are separate but related. The present study showed that the Spanish COJS had satisfactory reliability. Although correlations between subscales were high, their distinctiveness was demonstrated.

Concurrent validity was established with moderate to high correlations with other reliable instruments developed to assess job satisfaction and work incivility. As expected, justice subscales showed significant and positive associations with all five subscales of job satisfaction (mainly supervision satisfaction), and negative associations with incivility. These results also observed in the study by Patlán-Pérez et al. (2012). Regression analyses indicated stronger relations between DJ and pay satisfaction, and between INTJ and INFJ and supervision satisfaction, as in previous studies (Masterson et al., 2000). In contrast, there are no relations between PJ and job satisfaction subscales, consistent with previous findings, such as those of Crobzanzano and Prehar (1999), who found that INTJ affected satisfaction with supervisor more than PJ.

### Table 3

Results of regression and correlation analysis

<table>
<thead>
<tr>
<th></th>
<th>PJ</th>
<th>DJ</th>
<th>INTJ</th>
<th>INFJ</th>
<th>( R^2 )</th>
<th>AR2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work</td>
<td>( \beta )</td>
<td>.05</td>
<td>.07</td>
<td>.08</td>
<td>.31**</td>
<td>.14</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>.22**</td>
<td>.22**</td>
<td>.26**</td>
<td>.35**</td>
<td></td>
</tr>
<tr>
<td>Pay</td>
<td>( \beta )</td>
<td>.10</td>
<td>.37**</td>
<td>-.02</td>
<td>.05</td>
<td>.17</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>.32**</td>
<td>.39**</td>
<td>.14*</td>
<td>.19**</td>
<td></td>
</tr>
<tr>
<td>Promotion</td>
<td>( \beta )</td>
<td>.12*</td>
<td>.27**</td>
<td>.04</td>
<td>.11</td>
<td>.22</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>.42**</td>
<td>.43**</td>
<td>.28**</td>
<td>.35**</td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td>( \beta )</td>
<td>.06</td>
<td>.02</td>
<td>.26**</td>
<td>.34**</td>
<td>.42</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>.45**</td>
<td>.43**</td>
<td>.54**</td>
<td>.59**</td>
<td></td>
</tr>
<tr>
<td>Coworkers</td>
<td>( \beta )</td>
<td>.01</td>
<td>.12</td>
<td>.14*</td>
<td>.21**</td>
<td>.16</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>.27**</td>
<td>.28**</td>
<td>.30**</td>
<td>.36**</td>
<td></td>
</tr>
<tr>
<td>Incivility</td>
<td>( \beta )</td>
<td>-.03</td>
<td>-.02</td>
<td>-.23**</td>
<td>-.30***</td>
<td>.28</td>
</tr>
<tr>
<td></td>
<td>( r )</td>
<td>-.31*</td>
<td>-.29**</td>
<td>-.46**</td>
<td>-.49**</td>
<td></td>
</tr>
</tbody>
</table>

Note: PJ = Procedural Justice, DJ = Distributive Justice, INTJ = Interpersonal Justice, INFJ = Informational Justice, AR2 = adjusted \( R^2 \)

* \( p < .05 \), ** \( p < .01 \), *** \( p < .001 \)
Our study has several limitations. Firstly, as in any study using self-report measures, the results might be influenced by participants’ acquiescence and need for social desirability. Moreover, this sample is not representative of the general population, although it represents an important productive sector. Generalizations will require further studies which will also incorporate other occupational groups.

We believe there are a number of different research directions that can extend the results of our study. First, the Spanish adaptation of COJS presents adequate psychometric properties, which allow the use of the scale in Spanish-speaking samples. Second, as previously noted, scientific literature has pointed out the importance of OJ perception, and the ways this perception influence other work-related variables like commitment, turnover intentions, task performance, counterproductive work behaviors, etc. (e.g., Bechtoldt et al., 2007; DeConick, 2010). Hence, the adaptation of the COJS to Spanish will allow researchers to study the association of this construct with different work attitudes and behaviors, as well as to use it in applied settings when OJ is an issue in Spanish work contexts. Finally, this adaptation of the COJS represents a tool that could allow more reliable research of justice perception in organizations. Moreover, it could help professionals, managers, and Human Resources departments to understand the impact of this variable on workers’ performance and well-being.

References


