

Job Crafting

Subjects: Sociology

Contributor: Peikai Li

Job crafting has been a focal research topic in job design literature since the early 2000s. Employees' initiated job crafting behavior (e.g., seeking resources and seeking challenges) has been positively linked to employee health, job attitude (e.g., job satisfaction), well-being (e.g., work engagement), and performance (for meta-analytic reviews). It also brings substantial benefits for organizations, such as a higher level of group and organizational performance. Accordingly, increasing research has investigated various ways to stimulate employees' job crafting behavior. In this respect, cumulative evidence has shown that job characteristics and personal traits are important factors that influence employee job crafting (for reviews). For example, proactive personality, self-efficacy, regulatory focus, job autonomy, and job resources were positively related to employee job crafting.

Keywords: job crafting, leadership, meta-analysis

1. Introduction

Job crafting has been a focal research topic in job design literature since the early 2000s^[1]. Employees' initiated job crafting behavior (e.g., seeking resources and seeking challenges) has been positively linked to employee health, job attitude (e.g., job satisfaction), well-being (e.g., work engagement), and performance (for meta-analytic reviews, see^{[2][3]}). It also brings substantial benefits for organizations, such as a higher level of group and organizational performance^[4]. Accordingly, increasing research has investigated various ways to stimulate employees' job crafting behavior. In this respect, cumulative evidence has shown that job characteristics and personal traits are important factors that influence employee job crafting (for reviews, see ^{[2][5]}). For example, proactive personality^[6], self-efficacy^[7], regulatory focus^[3], job autonomy^[2], and job resources^[8] were positively related to employee job crafting.

While prior studies have provided valuable insights into how personal traits/abilities and job characteristics linked to employee job crafting ^{[2][5]}, a recent and growing number of studies examined how social factors influence employee job crafting (e.g., ^{[9][5][7]}). Social elements of work may play a crucial role in influencing employees' behavior^[10] [11]. It represents social connections that employees access in work domains (e.g., leaders, colleagues, customers, clients, and patients) and non-work domains (e.g., families and friends)^[11]. The interactive societal environment encompasses opportunities and resources that are vital to foster individual self-growth, career success, and need satisfaction ^{[12][13][14]}. Understanding how employees learn from their social connections may be as important as understanding who they are and what their jobs look like. While meta-analyses and review articles already exist in the area of job crafting (i.e., ^{[2][5][3]} ^{[15][5]}), a comprehensive review of social factors and job crafting is still absent. To our knowledge, Tims and Parker (2020) took such an endeavor but their attention was limited to how colleagues respond to the crafter's behavior. Likewise, in a review article of Zhang and Parker (2019) ^[5], the social factors only include leaderships (e.g., transformational and empowering leadership). Hence, it is concluded that these studies do not give a full overview of the impact of social factors on job crafting. More importantly, not all empirical studies find favorable results of social factors on job crafting ^[5] [7,16]. For example, while some studies showed a positive relationship between transformational leadership and promotion-focused job crafting ^{[16][17][18]}, others showed a nonsignificant relationship^{[18][19]}. Similarly, Loi et al. (2019)^[20] indicated a positive relationship between Leader-Member-Exchange (LMX) and job crafting, whereas Radstaak and Hennes (2017)^[21] found a negative correlation with increasing structural resources. Overall, the effect of social factors on job crafting looks quite complex and uncertain. We have limited knowledge about the extent to which social factor has a stronger and significant impact on employee job crafting. Therefore, a meta-analysis will help clarify the relationship between social factors and job crafting and estimate the extent to which social factor is more important to employee job crafting.

References

The main purpose of this study is to provide a meta-analytic review of the associations between social factors and employee job crafting in the job design literature. First, present and future organizations benefit from decisions that employees make, job crafting and job design both play a role in this process. Job crafting acts as a mediator linking social factors and work outcomes. To organize this effort, we integrate extant research into a conceptual model that extends previous reviews and meta-

analysis (215). By working in social networks, individuals can find organizational insiders and organizational outsiders (see Figure 1). Meanwhile, we considered job crafting in two ways: promotion- and prevention-focused job crafting, and the different forms of job crafting identified by Tims et al. (2017) (e.g., seeking resources, seeking challenges and reducing demands).

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2. Social Factors and Job Crafting

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Hypothesis 1 states that social factors have a positive impact on job crafting. The above results showed that most of the variance in job crafting was caused by the Level 2 variance (i.e., different types of social factors and job crafting behaviors). Thus, we investigated how specific social factors related to specific job crafting behaviors. Table 1 reports the relationships between social factors and job crafting when considering job crafting as promotion-focused job crafting and prevention-focused job crafting. Table 2 reports the relationships between social factors and job crafting when considering

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|---|-----------------------------|---|------|-------|-------|-------|--------|-------|---------|--------------|--------|--------|-------|-------|----|-------|-------|
| 16.1176, doi:10.3390/ijerph16071176 | Empowering leadership | 7 | 2262 | 0.320 | 0.338 | 0.031 | 0.282 | 0.391 | <0.0001 | 12.673 * | 47.58% | 1.910 | 0.352 | 0.341 | 7 | 0.341 | 0.384 |
| 27. Laurence, G.A. Workaholism and expansion and contraction oriented job crafting: The moderating effects of individual and contextual factors. Syracuse University, 2010. | LMA | 1 | 1791 | 0.320 | 0.274 | 0.062 | 0.191 | 0.935 | <0.0001 | 38.024 *** | 84.67% | 6.520 | 0.285 | 0.213 | 10 | 0.174 | 0.320 |
| 28. Kim, M.; Beehr, T.A. Job crafting mediates how empowering leadership and employees' core self-evaluations predict favourable and unfavourable outcomes. Eur. J. Work Organ. Psychol. 2020, 29, 126–139. doi:10.1080/1359432X.2019.1697237 | Transformational leadership | 5 | 1553 | 0.262 | 0.278 | 0.041 | 0.193 | 0.349 | <0.0001 | 9.387 (0.65) | 58.72% | 2.219 | 0.279 | 0.279 | 7 | 0.319 | 0.329 |
| 29. Rastogi, M.; Chaudhary, R. Job crafting and work-family enrichment: The role of positive intrinsic work engagement. Pers. Rev. 2018, 47, 651–674, doi:10.1108/PR-03-2017-0065. | Servant leadership | 3 | 1010 | 0.579 | 0.361 | 0.279 | 0.163 | 0.837 | <0.0001 | 58.911 *** | 97.14% | 13.339 | 0.341 | 0.341 | 5 | 0.519 | 0.725 |
| Prevention focus job crafting | | | | | | | | | | | | | | | | | |
| Retrieved from https://encyclopedia.pub/entry/history/show/10817 | | | | | | | | | | | | | | | | | |
| Overall social factors | | 9 | 2007 | 0.019 | 0.022 | 0.058 | −0.091 | 0.134 | 0.7044 | 41.896 *** | 83.94% | 6.230 | 0.022 | 0.001 | 9 | 0.022 | 0.027 |

Note: *, $p < 0.05$; **, $p < 0.01$; ***, $p < 0.001$; k = number of independent samples included; ρ = sample-size-weighted mean observed correlation; $SE\rho$ = standard error for population estimate; I^2 is an index of heterogeneity computed as the percentage of variability in effects sizes that are due to true differences among the studies; Q provides information on whether there is statistically significant heterogeneity (i.e., yes or no heterogeneity). Overall social factors-two level-single = only include one effect size for each study; Overall social factors-two level-nested = for some studies included several effect sizes, which may not independent; $\rho_{\text{sensitivity analysis}}$ = outlier removed sensitivity analyses; $k_{\text{Trim-and fill}}$ = number of independent samples included for trim-and-fill analysis; $\rho_{\text{Trim-and fill}}$ = trim-and-fill results; $\rho_{\text{measurement}}$ = mean score correlation (corrected for unreliability for both variables and sampling error variance).

Table 2. Summary of meta-analytic relationship: social factors as correlates of specific job crafting behaviors (H1).

| Variables | k | N | r | ρ | $SE\rho$ | Lower | Upper | p | Q | I^2 | H^2 | z_{Fisher} | $\rho_{\text{sensitivity analysis}}$ | $k_{\text{Trim-and Fill}}$ | $\rho_{\text{Trim-and Fill}}$ | $\rho_{\text{measurement}}$ |
|----------------------------------|-----|------|-------|--------|----------|-------|-------|---------|--------------|--------|-------|---------------------|--------------------------------------|----------------------------|-------------------------------|-----------------------------|
| Increasing challenge job demands | | | | | | | | | | | | | | | | |
| Overall social factors | 11 | 3195 | 0.201 | 0.209 | 0.037 | 0.138 | 0.277 | <0.0001 | 35.737 *** | 75.66% | 4.11 | 0.212 | 0.186 | 12 | 0.186 | 0.255 |
| empowering leadership | 4 | 807 | 0.290 | 0.305 | 0.071 | 0.174 | 0.426 | <0.0001 | 9.526 * | 73.17% | 3.73 | 0.316 | no outliers | 4 | 0.306 | 0.353 |
| transformational leadership | 3 | 1041 | 0.228 | 0.234 | 0.036 | 0.165 | 0.300 | <0.0001 | 2.185 (0.34) | 22.27% | 1.29 | 0.238 | no outliers | 5 | 0.190 | 0.299 |
| Increasing social job resources | | | | | | | | | | | | | | | | |
| Overall social factors | 10 | 3024 | 0.315 | 0.332 | 0.048 | 0.246 | 0.414 | <0.0001 | 55.198 *** | 84.95% | 6.64 | 0.346 | 0.332 | 11 | 0.348 | 0.396 |

| | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------|-------|-------|-------|-------|-------|---------|---------------|--------|-------|-------|-------------|---|-------|-------|
| empowering leadership | 4 | 807 | 0.343 | 0.368 | 0.104 | 0.181 | 0.530 | 0.0002 | 20.701 *** | 87.40% | 7.94 | 0.387 | no outliers | 4 | 0.369 | 0.432 |
| transformational leadership | 3 | 1055 | 0.348 | 0.367 | 0.096 | 0.196 | 0.517 | <0.0001 | 13.852 ** | 88.39% | 8.62 | 0.385 | 0.367 | 3 | 0.367 | 0.451 |
| Increasing structural job resources | | | | | | | | | | | | | | | | |
| Overall social factors | 6 | 2357 | 0.173 | 0.178 | 0.062 | 0.058 | 0.293 | 0.0039 | 44.879 *** | 88.88% | 8.99 | 0.180 | 0.178 | 6 | 0.178 | 0.215 |
| transformational | 3 | 1195 | 0.251 | 0.260 | 0.096 | 0.078 | 0.425 | 0.0056 | 18.799 *** | 90.50% | 10.52 | 0.266 | 0.260 | 3 | 0.260 | 0.312 |

Note: *, $p < 0.05$; **, $p < 0.01$; ***, $p < 0.001$; k = number of independent samples included; ρ = sample-size-weighted mean observed correlation; $SE\rho$ = standard error for population estimate; I^2 is an index of heterogeneity computed as the percentage of variability in effects sizes that are due to true differences among the studies; Q provides information on whether there is statistically significant heterogeneity (i.e., yes or no heterogeneity). Overall social factors-two level-single = only include one effect size for each study; Overall social factors-two level-nested = for some studies included several effect sizes, which may not independent; $\rho_{sensitivity\ analysis}$ = outlier removed sensitivity analyses; $k_{Trim-and\ fill}$ = number of independent samples included for trim-and-fill analysis; $\rho_{Trim-and\ fill}$ = trim-and-fill results; $\rho_{measurement}$ = mean score correlation (corrected for unreliability for both variables and sampling error variance).

To present more detailed results of specific social factors on job crafting, below we report how specific social factor influences employee job crafting behaviors.

2.1. Leadership and Job Crafting

We found that leadership was positively related to employee promotion-focused job crafting behavior ($k = 22$, $\rho = 0.400$, $CI = (0.314, 0.480)$). Specifically, leadership styles of empowering ($k = 7$, $\rho = 0.338$), transformational ($k = 5$, $\rho = 0.270$), charismatic ($k = 3$, $\rho = 0.160$), servant ($k = 3$, $\rho = 0.686$), and transactional ($k = 3$, $\rho = 0.236$) are positively related to promotion-focused job crafting. When we consider how leaderships are related to specific job crafting behaviors. We found that empowering leadership and transformational leadership are two salient social factors. In particular, empowering leadership was positively related to increasing social resources ($k = 4$, $\rho = 0.368$, $CI = (0.181, 0.530)$) and increasing challenge demands ($k = 4$, $\rho = 0.305$, $CI = (0.174, 0.426)$), respectively. Transformational leadership was positively related to increasing social resources ($k = 3$, $\rho = 0.367$, $CI = (0.196, 0.517)$), increasing structural resources ($k = 3$, $\rho = 0.260$, $CI = (0.078, 0.425)$), and increasing challenges demands ($k = 3$, $\rho = 0.234$, $CI = (0.165, 0.300)$).

In addition, some of our included studies tested the effect of team-level leadership on job crafting (which were not included in the meta-analysis to calculate the pooled effect size). For instance, team level servant leadership (Luu et al., 2019; Tuan et al., 2020), charismatic (Luu et al., 2019) are positively related to job crafting. Besides, in our reviewed articles we also found that some destructive leadership styles have a negative effect on employee job crafting. For instance, abusive supervision ($r = -0.24$, Luu et al., 2019), leader's need for structure ($r = -0.14$, Solberg and Wong, 2016), and paternalistic leadership/ authoritarianism ($r = -0.26$, Tuan, 2018) are negatively related to employee job crafting. These are in line with our Hypothesis 1b.

2.2. Coworkers and Job Crafting

We found that coworker emotional and instrumental social support are positively related to employee promotion-focused job crafting ($k = 3$, $\rho = 0.237$, $CI = (0.108, 0.358)$) (see Table 2). In addition, colleagues' job crafting also influences employee job crafting behaviors. For instance, Bakker et al.^[23] showed a reciprocal relationship between dyad members' job crafting behaviors—each of the actor's job crafting behaviors was positively related to the partner's job crafting behaviors. Similarly, Demerouti and Peeters^[24] found the transmission of both job crafting dimensions among colleagues. Similar cross-over effect was reported by Peeters, Arts, and Demerouti^[25].

In our reviewed articles, we only found one article regarding the factor of clients/customers ($r = 0.38$, Loi et al., 2029^[20]). Due to such little sample size, we did not include this article in our meta-analysis. Moreover, we found that only few studies focused on the associations between family factors and job crafting. For instance, we found that work-family conflict encourages or discourages job crafting by moderating the relationship between tendencies toward workaholism and expansion and contraction-oriented job crafting^[26]. Job crafting is positively related to work-family conflict^[27], and work-to-family enrichment^{[20][28][29]}. However, the latter three studies treated family factors as outcomes, thus did not focus on how family factors influence job crafting.

In summary, we found that positive social factors especially organizational insiders were positively related to promotion-focused job crafting. Thus, Hypothesis 1a was supported. Whereas the results between social factors and prevention-focused job crafting were insignificant, Hypothesis 1c was not supported. We do not have enough samples to test how negative social factors related to promotion and prevention focused job crafting, thus, our Hypotheses 1b, and d were not tested.