

# Leader-LMX and Follower-LMX Impact Similarly on Dyad Exchange as Measured on LMX-7-scale

Jayeeta Debnath Munshi\*, Shamima Haque\*\*

## Abstract

Research into Leader-Member Exchange (LMX) theory has been well popularised by the researchers of Behavioural Science in recent years, with a multitude of studies investigating many aspects of LMX in organisations. The present article tries to evaluate the agreement between leader's perspective of LMX and subordinates perspective of LMX analysing deep into the researches on LMX-agreement and evaluate it empirically to perceive the Vertical Dyad Linkage (VDL) theory in the light of this mutual agreement. The research encompasses the method of establishing the validity of the relationship and draws a parity of perception of the leader and the subordinate about the dyad while evaluating the quality of LMX and the focus of each on the dyad. Data of a healthcare unit with 154 sample size is used in explaining and establishing the theory by drawing correlations between the ratings done by both the participants of the dyad. The process well explained the theory with a few exceptions while raising a new research question of the exception being related to the size of a workgroup, which can have a future research scope.

**Keyword:** Leader Member Exchange, VDL, Leader LMX, Follower LMX

## Introduction

Leadership is extremely interesting as it is the pathway to organisational development and creation of organisational environment. The LMX Theory dates back to 1975-76 when Danserau, Graen and Haga made the first description of dyadic relationships in one of their works.

The unique feature of LMX is that it emphasizes on the dyadic relationships of leader-member, the building block of the organisation. Most people would agree that good interpersonal relationships enhance the work environment and promote productivity and better customer service (Graen *et al.*, 1982; Scandura & Graen, 1984; Wayne *et al.*, 1997). Since it has previously been determined (e.g., Cogliser *et al.*, 1999) that perceptual agreement regarding the definitions of good interpersonal relationships like leader-member exchange is important in promoting employee productivity, organisational commitment, job satisfaction, and other employee related organisational outcomes, increasing the likelihood of developing such perceptual agreement could be vital. As people increase their levels of communication, they tend to view one another more positively and as more similar (Hogg, 1992; Sias, 1996). Identifying some of the causes of agreement would enable organisations to train managers to increase and bolster the positive impact of agreement, and thereby improve employee performance. The main concern of the research is to investigate the perspectives of LMX agreement and the correlate between the two hands of the discussed dyad.

The leader-member views of the dyad does not always converge. We shall track the concerns that are making it low or high. Three types of similarities were investigated by Dale (2002), viz. demographic similarity, similarity in work values, and perceived similarity. Social identity theory suggests that the more demographically similar the dyad members are, the more similar they would be in their attitudes, beliefs and perceptions. Because demographically similar individuals are thought to share similar backgrounds and experiences, they are more

\* Assistant Professor, School of Management Studies, Techno India, Salt Lake, West Bengal, India.  
Email: jayeetad.m@gmail.com

\*\* School of Management Studies, Techno India, Salt Lake, West Bengal, India.  
Email: haqueshamima@yahoo.co.in

likely to have been treated in a similar fashion, and are more likely to react to situations similarly (Chatman *et al.*, 1998). Again, when supervisors and subordinates share similar value systems they tend to perceive the same external stimuli in similar ways and to behave in similar ways (Meglino & Ravlin, 1998). Steiner (1988) and Steiner and Dobbins (1989) found that when there was perceived work value similarity, more extra-contractual relationships were formed, but that subordinate work values were a more significant predictor. The previous studies consistently found perceived similarity to be positively related to the nature of LMX (Liden *et al.*, 1993; Liden *et al.*, 1997) and, that perceived similarity is more significantly related to LMX than is demographic similarity (Kim & Organ, 1982; Liden *et al.*, 1993; Turban & Jones, 1988; Wexley & Pulakos, 1983).

## Theoretical Background

Leader-member exchange (LMX) theory is a 30 year or more old research field and like most other models, has gone through a few different iterations. Scandura, Graen, & Novak (1986) defined leader-member exchange as a system of components and their relationships, involving both members of a dyad (i.e., one-on-one)

in a interdependent patterns of behaviour and sharing common and dependent instrumentalities and producing conceptions of environments, cause maps, and value. With its roots in vertical dyad linkage theory (VDL), the traditional concept is that leaders develop exchange relationships with their subordinates and based upon these relationships a more trusted or close group called '*in-group*' and a rather less-trusted '*out-group*' are developed (Brower, Schoorman, & Tan, 2000). Members within the '*in-group*' enjoy a level of mutual trust, respect and liking and receive more information and concern from their leaders. LMX relationships may be influenced by the following three factors: (1) Follower's commitment, trust, respect, and loyalty will influence leaders to show support, delegate more, allow followers more freedom in conducting their work, and promote open communication with followers. (2) Leader's first impressions of a group member's competency play an important role in defining the quality of the relationships. (3) Factors such as tryouts or tests of a new employee may be key determinants of a follower's in-group or out-group status. LMX relationships antecedents include (1) follower attributes, (2) leader and follower perceptions of each other, and (3) situational factors.

**Table 1: Concise Format of different Approaches to LMX Dyadic Relations**

|                       | <i>Leader Centric</i>                                                                                                     | <i>Relationship Centric</i>                                                        | <i>Follower Centric</i>                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Leadership            | Behaviour and Job Role                                                                                                    | Trust, Respect and Mutual obligation that generates influence between parties      | Job ownership                                                 |
| Behavioural construct | Establishing and communicating vision inspiring, instilling pride.                                                        | Building strong relationships with followers mutual learning and companionship     | Empowerment and decentralisation of power                     |
| Pros                  | Leader as rallying point<br>For organisations; common understanding of mission and values; can initiate wholesale change. | Accommodates separate needs of subordinates and explicit requirements of Superiors | Reduces dependences on leader                                 |
| Cons                  | Highly dependent on leader; problems if leader changes or is pursuing inappropriate vision.                               | Time consuming and relevant for long term dyadic relations                         | Dependant on followers self-initiative, motivation and power  |
| Relevance             | Fundamental change; charismatic leader in place; limited diversity among followers.                                       | Continuous improvement of team work, equality in diversity and networking          | Promotes task committed followership                          |
| Effectiveness         | Structured tasks; strong leader position, power; member acceptance of leader.                                             | Favorable for leaders and a medium path get way                                    | Unstructured, weak position & power, non-acceptance of leader |

## LMX Agreement and Controversies

A healthy controversy currently surrounds the question of the measurement and the dimensionality of the LMX construct. This controversy emanates from two primary sources: (1) the continual redefining of the LMX scale in studies over the years, as well as the use of measures altogether different from the original formulation of the measure (Kim & Organ, 1982; Rosse & Kraut, 1983; Heneman, Greenberger, & Anonyuo, 1990 as cited in Keller & Dansereau, 1995), and (2) questions about whether LMX is uni-dimensional or multi-dimensional and what the implications of this are for measurement. In response to the first question, we acknowledge that the measure of LMX has changed over the years. Investigations have used the 2-item (Dansereau, *et al.*, 1975), 4-item (Graen & Schiemann, 1978; Liden & Graen, 1980), 5-item (Graen, Liden, & Hoel, 1982), 7-item (Graen, Novak, & Sommerkamp, 1982; Seers & Graen, (1984), 10-item (Ridolphi & Seers, 1984), 12-item (Wakabayashi & Graen, 1984), and 16-item (Wakabayashi, Graen, & Uhl-Bien, 1990; Uhl-Bien *et al.*, 1990) LMX scale. This refinement of the measure has occurred from our learning through research and theorising about LMX.

The second area of controversy concerns the dimensionality of LMX. Dienesch and Liden (1986) were the first to raise this issue with their question about LMX's dimensions. In response to this question, Dienesch and Liden (1986) proposed LMX to be multidimensional, and identified that the dimensions are contribution, loyalty, and affect. Following their lead, testing on the dimensionality of LMX and to develop other LMX measures researchers like Dienesch (1985), Schriesheim, Neider, Scandura, and Tepper (1992), Phillips, Duran, and Howell (1993), Liden (1993), Liden and Maslyn (1994) contributed in the field.

Despite early findings (Harris & Schaubroeck, 1988), that suggest extant LMX research predominantly portrayed the idea that relationships are perceived in a similar way by both members of the dyad, Graen and Uhl-Bien (1995) supported that expected agreement between leader and member reports is positive and strong, and used as an index of quality of data. Since studies commonly survey only one party of the dyad, predominately the follower, such assumptions have long been left unchallenged e.g., Gerstner and Day (1997) found only 24 studies which surveyed both perspectives in a total of 84 studies on LMX. More recent studies, however, explicitly focus upon the issue of LMX agreement. Paglis and Green

(2002) found a correlation of only 0.19 between both parties' assessment of LMX quality across 127 leader-follower dyads. A meta-analysis by Gerstner and Day (1997) across 24 independent samples with a combined sample size of 3,460 dyads corroborates such findings. They also find a mean sample-weighted correlation of only 0.29, and 0.37 when corrected for unreliability. The most recent meta-analysis by Sin *et al.* (2009) raises similar concerns, finding that overall LMX agreement across 64 samples with a combined sample size of 10,884 dyads was only moderate with  $\rho = 0.37$ . While some researchers argued that disagreement in ratings of LMX does not warrant conceptual analysis because it merely reflects measurement error (Graen & Uhl-Bien, 1995), a plethora of studies suggests otherwise, that is, despite heterogeneity in LMX assessments from various angles and with various scales, the finding that leaders and followers provide disagreeing accounts of LMX quality still persists (cf. Bernerth, Armenakis, Feild, Giles, & Walker, 2007; Schriesheim, Castro, & Cogliser, 1999). While measurement error is notoriously difficult to rule out as an explanation, there are further conceptual reasons to believe that LMX disagreement is not solely attributable to it. Indeed, Gerstner and Day (1997) argue that disagreement on ratings of LMX quality is a complex issue that is an interesting outcome variable in its own right.

Evidence from further research suggests that LMX quality is likely to translate best into performance when the relationship is experienced similarly, that is, when LMX agreement is high (Atwater & Yammarino, 1992; Bass & Yammarino, 1991; Cogliser, Schriesheim, Scandura, & Gardner, 2009; Wexley, Alexander, Greenawalt, & Couch, 1980). Given these findings, the observation that LMX agreement is often lower than one would expect, despite both parties rating the same relationship, raises an important challenge for LMX theory and research. LMX quality perceptions outline how each party's LMX quality perception is primarily dependent on the perceived contributions of the other party, moderated by perceived own contributions. We then integrate the notion of Implicit Leadership and Followership Theories (ILTs and IFTs) to argue that the currencies of contributions differ between leaders and followers. This dyadic model sets the stage to explain that LMX disagreement can stem from (1) differences in both parties' ILTs as well as both parties' IFTs, but also from (2) differences in perceptions of own and other's behaviour.

## Motivation behind Choosing the Study Topic

Many measures have been used to assess the nature of the LMX relationship (Gerstner & Day, 1997), and several prior studies that have assessed LMX from both perspectives used different measures for ascertaining supervisor and subordinate perceptions. Of the over 100 studies of LMX to date, only 15 published studies were found that assessed LMX from both perspectives. Table 2 lists these 15 studies.

**Table 2: Studies assessing LMX from both supervisors' and their subordinates' perspectives year wise (Gerstner & Day, 1997)**

| <i>Sl. No</i> | <i>Authors</i>                            | <i>Published</i> |
|---------------|-------------------------------------------|------------------|
| 1             | Cogliser, Schriesheim, Scandura, & Neider | 1999             |
| 2             | Dansereau, Cashman & Graen                | 1973             |
| 3             | Deluga & Perry                            | 1994             |
| 4             | Dockery & Steiner                         | 1990             |
| 5             | Ferris                                    | 1985             |
| 6             | Graen, Liden & Hoel                       | 1982             |
| 7             | Graen & Schiemann                         | 1978             |
| 8             | Liden, Wayne & Stilwel                    | 1993             |
| 9             | Phillips & Bedeian                        | 1994             |
| 10            | Rosse & Kraut                             | 1983             |
| 11            | Scandura, Graen & Novak                   | 1986             |
| 12            | Scandura & Schiresheim                    | 1994             |
| 13            | Vecchio                                   | 1995             |
| 14            | Wayne & Green                             | 1993             |
| 15            | Wilhelm, Herd & Steiner                   | 1993             |

Unfortunately, most of these studies did not assess agreement as to the nature of the LMX relationship by having supervisors and each of their subordinates complete the respective versions of the same measure (e.g., LMX-7 and SLMX-7). Recent research indicates that "... rating judgments are biased because of the contextual effects" (p. 483, Dalal, 2001). These contextual effects include factors such as the type of measure, the number of items, the number of category points, the frame within which one views the stimulus, and the perspective of the individuals responding to the survey. Method variance is also an issue because different measurement methods can demonstrate statistically significant method bias.

Additionally, because these measures have all been self-reports, there is the possibility of social desirability bias (Gardner, Cummings, Dunham, & Pierce, 1998). Because it is quite possible that by using different measures, different constructs were gauged, we concluded that a preferred operationalisation of agreement would be that dyad members' perceptions be tapped using the same, or at least parallel, measures. Scandura (1999) asserted that examining multiple perspectives would lead to a fuller understanding of the implications of agreement and disagreement about the types of LMX relationships. She suggested that to understand the implications of perceptual agreement and disagreement more fully, data from both supervisors and subordinates be collected to determine whether perceptions are shared. And, in fact, because correlations between supervisor and subordinate perceptions of LMX have been fairly low, it appears that these perceptions are not, for the most part, shared perceptions. Gerstner and Day's (1997) meta-analysis found a mean sample-weighted correlation of 0.29 (0.37 when corrected for unreliability). The percent of variance explained is 13.7%, and this represents a moderate effect size in meta-analyses. The unexpectedly moderate correlation between dyad member perceptions of the nature of their LMX relationship led Gerstner and Day (1997) to state that "leader-member agreement should be examined as a relevant independent or dependent variable" and that "leader-member LMX agreement is an interesting and potentially valuable outcome variable in its own right" (p. 837). Neither Scandura (1999) nor Gerstner and Day (1997), however, presented arguments as to why agreement was expected or desired. It would seem reasonable to expect lack of agreement because "individuals and managers can have decidedly non-mutual perceptions of the nature of their relations, the exchanges made, and their obligations to each other" (Rousseau, 1997). Gerstner and Day (1997) compared the lack of agreement about the nature of the LMX relationship to the lack of agreement in performance appraisal research found by Harris and Schaubroeck (1988) states that "the low correlation between leader and member LMX is consistent with meta-analytic research on self-supervisor agreement on performance ratings". As indicated by Gerstner and Day (1997), the performance appraisal literature provides evidence of the importance of leader-member agreement. The current state of LMX research on dyad agreement is analogous to the performance appraisal

situation in the early 1980s, when Wexley and colleagues (Pulakos & Wexley, 1983; Wexley, Alexander, Greenwalt, & Couch, 1980; Wexley & Pulakos, 1983) investigated the relationship of actual similarity, perceptual agreement, and performance appraisals in manager-subordinate dyads and decried the dearth of studies that simultaneously examined the perceptions of both parties.

Previous researchers have identified that comparatively new work-groups sharing short span of togetherness may have less agreement and yet another possibility of disagreement may be supervisors inflated rating to glorify the owned dyad. While good communication can be the basis of perpetual agreement, the degree of mutual agreement is directly proportional to the number of interactions.

## Research Method

### Sampling

LMX studies generally tend to employ either priori or ad-hoc sampling method. We have considered the organisational chart to matched pairs of leaders & members department wise and if required inter-departmental for performing workgroups. The pairs are interviewed in the same time as suggested by forerunners (Liden, Wayne & Stilwell, 1993).

The research encompasses the method of establishing the validity of the relationship and draws a parity of perception of the leader and the subordinate about the dyad while evaluating the quality of LMX and the focus of each other on the dyad. Data of a popular healthcare unit of Kolkata, with 154 sample size is used in explaining and establishing the theory by drawing correlations between the ratings done by both the participants of the dyad.

### LMX Scale

To measure this construct, a LMX-7 scale developed by Scandura & Graen (1984) will be used. It is a consolidation 14 questions of Leader-LMX(L-LMX) and Subordinate-LMX (S-LMX) under each subdivision. As this was highly recommended by Graen & Uhl-Bien (1995) and Gerstner & Day (1997), it is preferred in this research.

### Statistical Treatment

In order to examine the relationship between LMX-7 scale value of leader and member, mean of the two is taken and correlation analyses is performed with the values obtained group-wise.

### Hypothesis Testing

The hypotheses considered for the current study are:

**H<sub>0</sub>:** There is a strong association between the X and Y data series, i.e., LLMX and FLMX series.

**H<sub>1</sub>:** There is no association the X and Y data series, i.e., LLMX and FLMX series.

### Result

The relationship in the aforesaid organisation is shown in data tables and graphs.

The primary group of the healthcare unit (hospital) is the prime team whose members are leader to other teams. Leader is E1.

**Table 3: Data Table 1**

| <i>Emp. Index</i> | <i>L-LMX</i> | <i>F-LMX</i> | <i>R- value</i> |
|-------------------|--------------|--------------|-----------------|
| E1                | 35           | 25           | <b>0.63508</b>  |
| E2                | 35           | 32           |                 |
| E3                | 14           | 15           |                 |
| E4                | 35           | 23           |                 |
| E5                | 14           | 17           |                 |
| E6                | 21           | 20           |                 |
| E7                | 30           | 28           |                 |
| E8                | 35           | 32           |                 |
| E9                | 14           | 15           |                 |
| E10               | 21           | 23           |                 |
| E11               | 14           | 17           |                 |
| E12               | 21           | 20           |                 |
| E13               | 30           | 28           |                 |
| E15               | 35           | 25           |                 |
| E16               | 14           | 15           |                 |
| E17               | 21           | 23           |                 |
| E18               | 14           | 17           |                 |
| E19               | 21           | 20           |                 |
| E20               | 30           | 25           |                 |
| E21               | 35           | 32           |                 |
| E22               | 35           | 15           |                 |
| E23               | 21           | 23           |                 |
| E24               | 14           | 17           |                 |
| E25               | 21           | 25           |                 |
| E26               | 35           | 32           |                 |
| E27               | 35           | 15           |                 |
| E29               | 21           | 23           |                 |
| E30               | 14           | 17           |                 |
| E31               | 21           | 25           |                 |

**Status:** The value of R is 0.63508 and the two-tailed value of P is 0.00021. By normal standards, the association between the two variables would be considered statistically significant. And, Ho holds good.

In the 2<sup>nd</sup> workgroup E5 is the leader.

**Table 4: Data Table 2**

| <i>Emp. Index</i> | <i>L-LMX</i> | <i>F-LMX</i> | <i>R-Value</i> |
|-------------------|--------------|--------------|----------------|
| E5                | 14           | 17           | <b>0.96808</b> |
| E32               | 34           | 32           |                |
| E33               | 34           | 34           |                |
| E34               | 27           | 25           |                |
| E35               | 19           | 19           |                |
| E36               | 27           | 25           |                |
| E37               | 19           | 19           |                |
| E38               | 25           | 25           |                |
| E39               | 34           | 32           |                |
| E40               | 34           | 34           |                |
| E41               | 27           | 25           |                |
| E42               | 19           | 19           |                |
| E43               | 27           | 25           |                |
| E44               | 34           | 32           |                |
| E45               | 34           | 34           |                |
| E46               | 27           | 25           |                |
| E47               | 34           | 32           |                |
| E48               | 34           | 34           |                |
| E49               | 27           | 25           |                |
| E50               | 19           | 19           |                |
| E51               | 34           | 32           |                |
| E52               | 34           | 34           |                |
| E53               | 27           | 25           |                |
| E54               | 19           | 19           |                |
| E55               | 34           | 34           |                |
| E56               | 27           | 25           |                |
| E57               | 19           | 19           |                |
| E58               | 27           | 25           |                |
| E59               | 19           | 19           |                |
| E60               | 25           | 25           |                |

**Status:** The value of R is 0.96808 and the two-tailed value of P is 0. By normal standards, the association between the two variables would be considered statistically significant. And, Ho holds good.

In the 3<sup>rd</sup> workgroup E12 is the leader.

**Table 5: Data Table 3**

| Emp. Index | L-LMX | F-LMX | R-Value |
|------------|-------|-------|---------|
| E12        | 21    | 20    | 1       |
| E61        | 34    | 29    |         |
| E62        | 14    | 15    |         |
| E63        | 34    | 29    |         |
| E64        | 27    | 25    |         |
| E65        | 14    | 15    |         |
| E66        | 34    | 29    |         |
| E67        | 14    | 15    |         |
| E68        | 34    | 29    |         |
| E69        | 27    | 25    |         |
| E70        | 34    | 29    |         |
| E71        | 14    | 15    |         |
| E72        | 34    | 29    |         |
| E73        | 27    | 25    |         |
| E74        | 34    | 29    |         |
| E75        | 14    | 15    |         |
| E76        | 34    | 29    |         |
| E77        | 27    | 25    |         |
| E78        | 27    | 25    |         |
| E79        | 14    | 15    |         |
| E80        | 34    | 29    |         |
| E81        | 14    | 15    |         |

**Status:** The value of R is 1 and the two-tailed value of P is 0. By normal standards, the association between the two variables would be considered statistically significant. And, here also Ho holds good.

In the 4<sup>th</sup> workgroup E6 is the leader.

**Table 6: Data Table 4**

| Emp. Index | L-LMX | F-LMX | R-Value |
|------------|-------|-------|---------|
| E6         | 21    | 20    | 0.98294 |
| E82        | 31    | 30    |         |
| E83        | 26    | 26    |         |
| E84        | 23    | 20    |         |
| E85        | 13    | 19    |         |
| E86        | 30    | 29    |         |
| E87        | 24    | 25    |         |
| E88        | 23    | 20    |         |
| E89        | 23    | 20    |         |
| E90        | 13    | 19    |         |
| E91        | 30    | 29    |         |
| E92        | 24    | 25    |         |
| E93        | 23    | 20    |         |
| E94        | 23    | 20    |         |
| E95        | 13    | 19    |         |
| E96        | 30    | 29    |         |
| E97        | 24    | 25    |         |
| E98        | 23    | 20    |         |
| E99        | 31    | 30    |         |
| E100       | 26    | 26    |         |
| E101       | 23    | 20    |         |
| E102       | 13    | 19    |         |
| E103       | 30    | 29    |         |
| E104       | 24    | 25    |         |
| E105       | 23    | 20    |         |
| E106       | 23    | 20    |         |
| E107       | 13    | 19    |         |

**Status:** The value of R is 0.98294 and the two-tailed value of P is 0. By normal standards, the association between the two variables would be considered statistically significant. And, Ho holds good.

In the 5<sup>th</sup> workgroup E7 is the leader.

**Table 7: Data Table 5**

| <i>Emp. Index</i> | <i>L-LMX</i> | <i>F-LMX</i> | <i>R-Value</i> |
|-------------------|--------------|--------------|----------------|
| E7                | 36           | 30           | 0.99275        |
| E108              | 25           | 28           |                |
| E109              | 22           | 23           |                |
| E110              | 20           | 25           |                |
| E111              | 33           | 31           |                |
| E112              | 17           | 12           |                |
| E113              | 12           | 13           |                |
| E114              | 14           | 15           |                |
| E115              | 29           | 27           |                |
| E116              | 18           | 15           |                |
| E117              | 21           | 23           |                |
| E118              | 15           | 19           |                |
| E119              | 17           | 12           |                |
| E120              | 12           | 13           |                |
| E121              | 14           | 15           |                |
| E122              | 29           | 27           |                |
| E123              | 18           | 15           |                |
| E124              | 23           | 24           |                |
| E125              | 19           | 19           |                |
| E126              | 17           | 12           |                |
| E127              | 12           | 13           |                |
| E128              | 14           | 15           |                |
| E129              | 29           | 27           |                |
| E130              | 18           | 15           |                |
| E131              | 23           | 24           |                |
| E132              | 15           | 19           |                |

**Status:** The value of R is 0.99275 and the two-tailed value of P is 0. By normal standards, the association between the two variables would be considered statistically significant. Ho holds good here.

In the 6<sup>th</sup> workgroup E117 is the leader.

**Table 8: Data Table 6**

| <i>Emp. Index</i> | <i>L-LMX</i> | <i>F-LMX</i> | <i>R-Value</i> |
|-------------------|--------------|--------------|----------------|
| E117              | 21           | 23           | 1              |
| E133              | 14           | 20           |                |
| E 134             | 31           | 30           |                |
| E135              | 21           | 23           |                |
| E136              | 21           | 23           |                |
| E137              | 14           | 20           |                |
| E138              | 31           | 30           |                |
| E139              | 21           | 23           |                |
| E 140             | 14           | 20           |                |

**Status:** The value of R is 1 and the two-tailed value of P is 0. By normal standards, the association between the two variables would be considered statistically significant. And, Ho can be accepted here.

In the 7<sup>th</sup> workgroup E125 is the leader.

**Table 9: Data Table 7**

| <i>Emp. Index</i> | <i>L-LMX</i> | <i>F-LMX</i> | <i>R-Value</i> |
|-------------------|--------------|--------------|----------------|
| E125              | 19           | 19           | 0.5            |
| E141              | 32           | 33           |                |
| E142              | 17           | 29           |                |
| E143              | 19           | 19           |                |
| E144              | 32           | 33           |                |
| E145              | 17           | 29           |                |
| E146              | 19           | 19           |                |
| E147              | 32           | 33           |                |
| E148              | 19           | 19           |                |
| E149              | 19           | 19           |                |
| E150              | 32           | 33           |                |
| E151              | 17           | 29           |                |

**Status:** The value of R is 0.52381 and the two-tailed value of P is 0.08047. By normal standards, the association between the two variables would be considered statistically of poor significance. And, Ho is still accepted allowing the variation.

In the 8<sup>th</sup> workgroup E31 is the leader.

**Table 10: Data Table 8**

| Emp. Index | L-LMX | F-LMX | R-Value |
|------------|-------|-------|---------|
| E31        | 21    | 25    | 0.3     |
| E152       | 32    | 33    |         |
| E153       | 17    | 29    |         |
| E154       | 21    | 21    |         |

**Status:** The value of R is 0.31623 and the two-tailed value of P is 0.68377. By normal standards, the association between the two variables would not be considered statistically significant. And,  $H_0$  can be rejected here.

## Findings

The study highlights the following findings:

- Correlation between follower (F-LMX) and leader (L-LMX) scores was found to be significant and the range is indicated to lie between 0.5 to 1. 5 groups out of 8 groups indicated a strong positive correlation of about 0.9 and in 2 groups the correlation indicated was medium ranging between 0.6 and 0.5. However, one group failed to show statistically significant correlation. The 8<sup>th</sup> workgroup recorded a correlation of 0.3 which can be explained by the small size of the group.
- When FLMX is showing positivity the L-LMX is doing the same and vice versa.
- The agreement between leader and member reports is positive and strong and used as index of quality of data, barring the last case.
- LMX disagreement can stem from (1) differences in both parties' implicit theories, and from (2) differences in perceptions of own and other's behaviour. Thus, if perceived behaviour translates into perceived contributions, the second refers to people's estimations of how much is exchanged and thus governs the magnitude of perceived contributions.

## Conclusion

To summarise, our paper, illustrates the complexity of the processes underlying leaders' and followers' assessments of their LMX relationship, and invites fuller integration of research on LMX. Thus, outlining the many LMX agreements and disagreements, we hope to have opened the doors towards researches on LMX dyad to unveil the divergent LMX findings regarding leaders and followers,

and also between leaders and followers themselves so that they will engage in a dialogue to understand each other's perspectives better and even initiate trainings to make it even best.

## Implications

These findings have significant theoretical and practical implications. A better understanding of the LMX construct may lead to improved supervisor/subordinate relationships and hence to improved organisational outcomes. Policy makers and practitioners can gain substantially by understanding the impact good relationship has on the outcome expected by using the relationship of L-LMX and F-LMX research. Commonly, it focuses on follower perceptions only. However, LMX essentially reflects the relationship between leaders and followers; we believe that future research should concentrate on investigating:

- What are the sources of disagreement?
- Or, what it takes to and pay appropriate heed to it in the assessment of LMX quality?
- And, even what can be done to improve this dyadic relation?

## References

- Ashkanasy, N. M., & O'Connor, C. (1994). Value differences as a barrier in leader-member exchange: A multidimensional scaling analysis. Paper presented at the Academy of Management annual meeting, Dallas, TX.
- Atwater, L. E., & Yammarino, F. J. (1992). Does self-other agreement on leadership perceptions moderate the validity of leadership and performance predictions? *Personnel Psychology*, 45, 141-164.
- Baker, D. D., & Ganster, D. C. (1985). Leader communication style: A test of average versus vertical dyad linkage models. *Group & Organization Studies*, 10, 242-259.
- Bass, B., & Yammarino, F. J. (1991). Congruence of self and other's leadership ratings of naval officers for understanding successful performance. *Applied Psychology: An International Review*, 40, 437-454.
- Bernerth, J. B., Armenakis, A. A., Feild, H. S., Giles, W. F., & Walker, H. J. (2007).
- Leader-member social exchange (LMSX): Development and validation of a scale. *Journal of Organizational Behavior*, 28, 979-1003.

- Chatman, J. A., Polzer, J. T., Barsade, S. G., & Neale, M. A. (1998). Being different yet feeling similar: The influence of demographic composition and organizational culture on work processes and outcomes. *Administrative Science Quarterly*, 43, 749-780.
- Cogliser, C. C., Schriesheim, C. A., Scandura, T. A., & Neider, L. L. (1999, August). Balanced and unbalanced leadership relationships: A three-sample investigation into the outcomes associated with four different types of leader-member exchanges. Paper presented at the Academy of Management annual meeting, Chicago, IL.
- Cogliser, C. C., Schriesheim, C. A., Scandura, T. A., & Gardner, W. L. (2009). Balance in leader and follower perceptions of leader-member exchange: Relationships with performance and work attitudes. *The Leadership Quarterly*, 20, 452-465.
- Dalal, R. S. (2005). A meta-analysis of the relationship between organizational citizenship behavior and counterproductive work behavior. *Journal of Applied Psychology*, 90(6), 1241-55.
- Dansereau, F., Graen, G. B., & Haga, W. (1975). A vertical dyad linkage approach to leadership in formal organizations. *Organizational Behavior and Human Performance*, 13, 46-78.
- Deluga R. J. (1994). Supervisor trust building, leader-member exchange and organizational citizenship behaviour. *Journal of Occupational and Organizational Psychology*, 67, 315-326.
- Dienesch, R. M., & Liden, R. C. (1986). Leader-member exchange model of leadership: A critique and further development. *Journal of Academy of Management Review [AMR]*, 11, 618 - 634.
- DiPaola, M., Tarter, C., & Hoy, W. K. (2005). Measuring organizational citizenship in schools: The OCB Scale. In Wayne K. Hoy & Cecil Miskel (Eds.) *Leadership and Reform in American Public Schools*. Greenwich, CT: Information Age. This chapter describes the refined OCB Scale.
- Dunnette, M. D. (Ed.). *Role making processes within complex organizations In Handbook of Industrial and Organizational Psychology* (pp. 1201-1245). Chicago: Rand-McNally. Graen, G.B. (1976)
- Farouk, A. M. (2002). Elements of justice and organizational commitment: The impact of leader-member exchange, Unpublished MBA thesis, Penang University Science, Malaysia.
- Fox, S., & Spector, P. E. (2011). *Organizational Citizenship Behavior Checklist (OCB-C)*. University of South Florida, 6, 468-493.
- Gardner, D. G., Cummings, L. L., Dunham, R. B., & Pierce, J. L. (1998). Single-item versus multiple-item measurement scales: An empirical comparison. *Educational & Psychological Measurement*, 58, 898-915.
- Gerstner, C. R., & Day, D. V. (1997). Meta-analytic review of leader-member exchange theory: correlates and construct issues. *Journal of Applied Psychology*, 82(6), 827-844.
- Gomez, C., & Rosen, B. (2001). The leader-member exchange as a link between managerial trust and employee empowerment. *Group and Organization Management*, 26, 53-69.
- Graen, G. B., Novak, M., & Sommerkamp, P. (1982). The effects of leader-member exchange and job sign on productivity and satisfaction: Testing a dual attachment model. *Organizational Behavior and Human Performance*, 30, 109-131. Retrieved August 4, 2007 from <http://www.emeraldinsight.com>
- Graen, G. B., & Uhl-Bien, M. (1995). Relationship-Based Approach to Leadership: Development of Leader-Member Exchange (LMX) Theory of Leadership over 25 Years: Applying a Multi-Level Multi-Domain Perspective. Management Department Faculty Publications. Paper 57.
- Harris, M. M., & Schaubroeck, J. (1988). A meta-analysis of self-supervisor, self-peer, and peer-supervisor ratings. *Personnel Psychology*, 41, 43-62.
- Hogg, M. A. (1992). *The social psychology of group cohesiveness*. New York: New York University Press.
- Hunt, J. G., & Larson, L. L. (Eds.). *Leadership Frontiers* (pp. 143-166). Kent, OH: Kent State University Press. Graen, G.B., & Cashman, J. (1975). *A role-making model of leadership in formal organizations: A developmental approach*.
- Kim, K. I., & Organ, D. W. (1982). Determinants of leader-subordinate exchange relationships. *Group & Organization Studies*, 7, 77-89.
- Liden, R. C., Wayne, S. J., & Stilwell, D. (1993). A longitudinal study on the early development of leader-member exchanges. *Journal of Applied Psychology*, 78, 662-674.
- Minsky, B. D. (1968-71). *LMX dyad agreement: Construct definition and the role of supervisor/subordinate similarity and communication in understanding LMX*. Doctoral dissertation thesis, Louisiana State University 2002.
- Miskel, C. G., & Hoy, W. K. (eds.), (2002). Toward a more refined theory of school effects: A study of the relationship between professional commu-

- nity and mathematics teaching in early elementary school. *Research and Theory in Educational Administration*. Information Age Publishing, 8, 67-89. Desimone L.C, Greenwich CT.
- Paglis, L. L., & Green, S. G. (2002). Both sides now: Supervisor and subordinate perspectives on relationship quality. *Journal of Applied Social Psychology*, 32, 250-276.
- Pulakos, E. D., & Wexley, K. N. (1983). The relationship among perceptual similarity, sex, and performance ratings in manager-subordinate dyads. *Academy of Management Journal*, 26, 129-139.
- Rousseau, D. M. (1997). LMX meets the psychological contract: Looking inside the black box of leader-member exchange. In F. Dansereau & F. J. Yammarino, (Eds.) *Leadership: The multiple level approaches, contemporary and alternative* (pp. 149-154). Stamford, CT: JAI Press.
- Scandura, T. A. (1999). Rethinking leader-member exchange: An organizational justice perspective. *Leadership Quarterly*, 10, 25-40
- Scandura, T. A., Graen, G. B., & Novak, M. A. (1986). When managers decide not to decide autocratically. *Journal of Applied Psychology*, 71, 106.
- Scandura, T., & Graen, G. B. (1984). Moderating effects of initial leader-member exchange status on the effects of a leadership intercession. *Journal of Applied Psychology*, 69, 428-436.
- Schriesheim, C. A., Castro, S. L., & Coglisier, C. C. (1999). Leader-member exchange (LMX) research: A comprehensive review of theory, measurement, and data-analytic practices. *Leadership Quarterly*, 10, 63-113.
- Settoon, R. P., Bennett, N., & Liden, R. C. (1996). Leader-member exchange and organizational citizenship behavior: The mediating impact of self-esteem. *International Journal of Business Management*, 4(3).
- Sin, H. P., Nahragang, J. D., & Morgeson, F. P. (2009). Understanding why they don't see eye to eye: An examination of leader-member exchange (LMX) agreement. *Journal of Applied Psychology*, 94, 1048-1057.
- Suzanne, V. G., Niels, V. Q., & Daan, V. K. R. (2009). The X-Factor: On the relevance of implicit leadership and followership theories for leader-member exchange (LMX) agreement. *European Journal of Work and Organizational Psychology*, ERIM Report Series reference number ERS-2009-055-ORG.
- Wexley, K. N., & Pulakos, E. D. (1983). The effects of perceptual congruence and sex on subordinates' performance appraisals of their managers. *Academy of Management Journal*, 26,666-676.
- Wexley, K. N., Alexander, R. A., Greenawalt, J. P., & Couch, M. A. (1980). Attitudinal congruence and similarity as related to interpersonal evaluations in manager subordinate dyads. *Academy of Management Journal*, 23, 320-330
- Wexley, K. N., Alexander, R. A., Greenwalt, S. P., & Couch, M. A. (1980). Attitudinal congruence and similarity as related to interpersonal evaluations in manager-subordinate dyads. *Academy of Management Journal*, 23, 320-330.