行政院國家科學委員會專題研究計畫成果報告

人格五因素與銷售績效之關連性

-以壽險業為例

Relations Between Five Factors of Personality and Sales Performance—Life Insurance as an Example

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一、中文摘要

本研究運用 Costa & McCrae(1992)所發展之人格五因素量表,針對保險業務員施測,探討業務員銷售績效與其人格特質之關係。問卷共發出 320份,回收合計得有效問卷 214份。研究結果顯示,業務員的客觀銷售績效與其人格特質中的嚴謹性(Conscientiousness)呈現顯著正相關(p<0.01),而與另外其它四個人格因素無顯著關係。就人格次維度(細刻面)而言,主見(Assertiveness)、活躍力(Activity)、情感(Feelings)、勝任能力(Competence)、忠實(Dutifulness)、成就驅力(Achievement Striving)、自律(Self-Discipline)與銷售績效呈現顯著正相關;脆弱(Vulnerability)、謹慎(Modesty)則與銷售績效呈現顯著負相關。

關鍵詞:績效、銷售績效、人格、人格五因素、 壽險業

Abstract

Using NEO personality inventory (NEO PI-R) developed by Costa & McCrae (1992), the purpose of this article was to investigate the relations between five factors of personality of salespeople and their sales performance in a life insurance company. There were totally 24 valid samples received among 320 respondents.

The result shows positive significant relation between Conscientiousness and objective sales performance(p<0.01). The other four personality factors did not show significant evidence. Sub-dimensions(facets) of personality construct include Assertiveness, Activity, Feelings, Competence, Dutifulness, Achievement Striving, Self-Discipline exhibit positive correlation with sales performance, and Vulnerability, Modesty show negative correlation with sales performance on the other hand.

Keywords: Performance, Sales Performance, Personality, Five Factors, Big Five, Life Insurance

二、緣由與目的

銷售工作的獨特性主要展現在二個方面:自 主的程度(degree of autonomy) (Churchill, Ford, & Walker, 1985)和拒絕程度(degree of rejection)。業務 員的工作經常是遠離辦公室,在上司監督不到的 地方進行銷售作業,所以業務工作的推展常需要 仰賴自我的動機、主動性和說服力,其自主的程 度顯然高於其它型態的工作。另一方面,銷售工 作也常被以拒絕程度來彰顯其特殊性,相對於成 功銷售,業務員常常遭遇更大比例的銷售失敗。

依據上述銷售工作的二種特性,因為高度的 自主性,使人們傾向於將銷售的成敗,歸因於業 務員本身;因為高度的挫折性,使人們認定業務 員必需具備某種人格特質,才能從事這類工作。 由於銷售工作涉及高度的人際互動,人格特質的 某些層面突出與否,可能會影響銷售的表現。

想要尋找變數來預測業務員銷售績效的另一 個理由是,業務員的績效產出差異很大。根據 Hunter(1990)等學者的研究,員工產出的變異程 度,隨著工作本身所要求的資訊處理需求(複雜 度)之增加而遞增,例如:低複雜度的職業(偏屬 例行性工作),其產出的標準差對平均產出的百 分比為 19.3%; 中複雜度的職業(技術員、第一線 監督、低階層行政)為 31.8%; 高複雜度的職業(管 理性、專業性、複雜技術性)為 47.5%。而保險業 務員,其產出的平均標準差最大,高達 120%,其 它銷售性的工作(非保險業務員),亦落在高複雜 組群中,平均標準差為 48%。如果一個產業內的 個人產出變異非常大,那麼尋找一個優良的人員 甄選方法,便顯得十分重要。既然業務員銷售績 效的個別差異如此之大,只要在人員甄選上有所 改善,其產出的增加也會相當顯著。

故本研究之目的在於:

探討業務員人格特質五因素與銷售績效的關係。

- 2. 探討業務員人格五因素之次維度變數與銷售績效的關係。
- 3. 探討業務員其它個人變數與銷售績效的關係。

三、研究結果

(一) 樣本描述

本研究針對國內某外商壽險公司設立在台北市的 20 個營業單位中,隨機抽選三個單位進行問卷調查,調查是利用公司週會時間進行團體施測,並於當日回收,週會缺席者則由公司助理轉交問卷,並由研究者進行追蹤。每位填答問卷之業務員致贈電話卡一張,事後並寄送個人分析表一份。總計發出 320 份問卷,回收的 290 份問卷中剔除登錄未滿 6 個月者、無績效記錄者、問題答卷者,共回收有效問卷 214 份。

214 份有效樣本中,71%為女性,75%具備大專以上學歷,58%為已婚,89%為全時間投入並未兼職其他工作,9%曾經在其它保險公司任職,平均年齡33.4歲,平均年資36.4個月。

(二) 客觀績效

以業務員過去六個月之公司績效記錄為準,共有三個指標:總銷售金額(FYP)、總佣金收入(FYC)、總銷售契約件數(Cases)。為了兼顧三個指標之重要性,研究者並以上述三個指標的標準化分數加總,做為客觀總績效指標。六個月之樣本平均銷售金額 63.6(std.=48.9)萬元,平均佣金收入 21.7(std.=15.2)萬元,平均銷售契約件數22.7(std.=15.4)件。

(三) 主觀績效

由業務員自評,以3個題目量測業務員總體 績效的自我評鑑(Posdakoff & Mackenzie, 1994)。(附 錄表一)

(四)人格特質

業務員之人格特質量測,採用 NEO-PI 五因素人格量表(Costa & McCrae, 1992)。本量表共計 240題,測量人格特質的五個主要構面(domains)及三十個細刻面(facets)(附錄表二)。五個主要構面分別為:神經質、外向性、開放性、友善性、嚴謹性,每個主要構面由六個細刻面加總而成,每個細刻面由八個題目量測加總而成。

依特徵值(eigenvalue)大於 1 的準則並參考陡坡圖(scree plot),運用確證性因素分析萃取五個因素,累計解釋變異為 61%,結果如(附錄表二),顯示 N Q C 三個因素組型如原量表設計所預期;而 E A 二個因素組型則略有出入。故研究者刪除因素負荷小於 0.4 的刻面變數,以餘留者做為主要構面之組成。

以 係數做為信度指標,顯示除了06、A4、A6三個細刻面變數之外,其餘皆高於0.57,信度

皆在可接受範圍。(附錄表二)

(五)組織公民行為

主要是量測業務員在組織內的三種組織公民行為(OCBs),包括:扶助(Helping)由7個題目量測、德行(Civic Virtue)由3個題目量測、運動員精神(Sportsmanship)由4個題目量測(Posdakoff & Mackenzie, 1994)。(附錄表一)

(六)變數相關分析

1.客觀績效與預測變數

(1) 人格五因素(主構面)

嚴謹性與銷售額、佣金、件數、總績效指標之相關係數分別為:.18、.20、.22、.21,均達顯著水準。外向性與佣金、件數之相關係數分別為:.14、.14均達到 0.05 顯著水準,惟獨與銷售額、總績效指標之相關性並不顯著。

人格五因素之其它三個因素:神經質、開放性、友善性,則與所有客觀績效指標無顯著關係。(附錄表三)

(2) 人格五因素次維度(細刻面)

人格五因素之下各由六個細刻面所組成,在總計三十個人格細刻面中,與客觀績效指標呈顯著正相關的為:外向性中的主見(assertiveness)和活躍力(activity)、開放性中的感受(feelings)、嚴謹性中的勝任能力(competence)、忠實(dutifulness)、成就驅力(achievement striving)、自律(self-discipline)。與客觀績效指標呈顯著負相關的為:神經質中的脆弱(vulnerability)、友善性中的謹慎(modesty)。(附錄表四)

(3) 組織公民行為

扶助行為與所有客觀績效指標呈現顯著正相關(p<0.01);公民德行也與所有客觀績效指標呈現顯著正相關(p<0.05)。運動員精神則與客觀績效無顯著關係。

(4) 其它個人背景

年齡與銷售金額及佣金收入呈顯著正相關,但是與銷售件數無顯著關係;是否已婚、子女人數、年資則與各個客觀績效指標皆呈顯著正相關;子女人數並且與複合客觀績效指標呈正相關。(附錄表四)

2.主觀績效與預測變數

(1) 人格五因素

神經質與主觀總績效自評,呈顯著負相關; 人格因素中的外向性、開放性和嚴謹性與主觀績 效呈正相關。友善性與主觀績效自評,無顯著相 關。

(2) 組織公民行為

包括:扶助行為(Helping Behavior)、公民德行(Civic Virtue) 運動員精神(Sportsmanship)均與主觀自評績效成顯著正相關。

(3) 個人背景

除了子女人數與主觀績效呈顯著正相關之外,其它個人變數皆與主觀績效無顯著相關。

四、討論

本研究之目的在探討人格特質與業務員銷售績效之間的關係,研究工具採用最進發展之NEO-PI 人格特質量表,期望透過此一較為細緻之量表,進行較為深入的解析。以下就研究結果及相關問題討論如下:

- (一) NEO-PI 量表之信度為可接受的。五個主構面之 係數皆大於 0.76, 三十個細刻面中,除了 values 、 compliance 和 tender-mindedness 偏低之外,其餘之 係數皆大於 0.56。
- (二) NEO-PI 量表之因素分析結果,部份因素負荷之結構未完全吻合原量表之設計,特別是外向性及友善性,解釋其結果時需謹慎。
- (三)嚴謹性與客觀績效顯著正相關,與國外相關研究結果一致,但是外向性和神經質在本研究中並未顯現相關性,與國外相關研究結果有所不同。
- (四)年齡與年資和客觀績效呈現正相關,而年齡與年資二者皆為時間面的變數,彼此亦存在相關性。進一步的淨相關分析,顯示主要的影響變數為年資。
- (五)婚姻及子女數亦與客觀績效呈現正相關, 這可能反應了時間面或個人所處生涯階段 的特性。掌握的親朋好友社交網路、承擔的 經濟壓力等,在一個人的生命週期中,可能 影響其工作動機及績效表現。
- (六) 本研究有效樣本數為 214,後續相關研究若能增加樣本數,當能有助於驗證量表因素分析之結果,增加其穩定性。若同時擴大樣本的年齡層,或有助於進一步探討生涯階段或生命週期,這一時間面的影響。

五、計畫成果自評

本研究首次以新近發展之人格特質量表 (NEO-PI),探討本國壽險業務員銷售績效與其人格特質之關係。研究結果顯示人格特質確實是顯著之預測變數,人格特質之嚴謹性分數高者,其銷售績效一般而言也較突出,此結論應可做為實務上人力甄選之參考。

NEO PI-R 量表尚待心理學界測試其本土運用的信度與效度,乃至於大樣本施測下的常模建立。就學術方面而言,進一步確認此一人格量表工具,施測運用在本國樣本下,其一般化(generalization)之能力,這可能有助於發現潛藏的社會面、文化面差異,乃至於開展屬於本土化人格理論及其實務運用上的相關研究。

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(表一) 組織公民行為(OCBs)及主觀總績效自評量測題目

Helping

- 1. 我會撥出時間去幫助面臨工作問題的同事。
- 2. 我願意從繁忙的行程表中抽出時間,協助招募或訓練新同事。
- 3.在採取那些可能會影響他人的行動之前,我會先體察他人的立場。
- 4.在公司中,我會採取行動去防範或避免人際間的問題發生。
- 5.在同仁沮喪時,我會給予鼓勵、打氣。
- 6. 部門內彼此的意見有爭執時, 我常扮演調解者的角色。
- 7. 當爭辯或反對意見發生時,我是部門內恢復安定的影響力。

Civic Virtue

- 8. 我會努力執行那些雖不必要,但有助於部門或公司形象的任務。
- 9. 我會出席訓練或溝通訊息的會議,即使這些會議並不強制參與。
- 10. 我會出席並熱烈地參與部門會議。

Sportsmanship

- 11. 我常耗費許多時間去抱怨一些細微的瑣事。®
- 12. 對部門或公司正在進行的事情,我喜歡挑毛病,找缺點。®
- 13. 我喜歡誇大問題的嚴重性,有小題大做的傾向。®
- 14. 我經常較關切情境中錯誤的一面,而較少看積極的一面。®

Overall Performance Rating

- 15.就所有層面整體而言,我是個傑出的業務員。
- 16.身為業務員,我全然服從上司所要求的方式來執行我的工作。
- 17. 我是所屬部門中最有價值的業務員之一。

註:1.所有題目以7點量表量測,®表示負計分。

(表二)NEO PI-R 量表之內部一致性與因素結構

NEO PI-R scale	Coefficient	Factor					
	alpha	N	A	С			
Domains							
Neuroticism	.92						
Extraversion	.89						
Openness	.85						
Agreeableness	.77						
Conscientiousness	.91						
Neuroticism facets							
N1: Anxiety	.75	.77	20	08	13	18	
N2: Angry Hostility	.73	.73	.26	05	28	20	
N3: Depression	.76	.77	30	09	13	29	
N4: Self-Consciousness	.69	.58	38	11	24	17	
N5: Impulsiveness	.68	.48	.33	.24	07	51	
N6: Vulnerability	.80	.63	24	13	11	55	
Extraversion facets							
E1: Warmth	.78	26	.34	.19	.71	09	
E2: Gregariousness	.69	28	.36	04	.52	25	
E3: Assertiveness	.66	19	.71	.17	.08	.33	
E4: Activity	.57	06	.72	.10	.21	.13	
E5: Excitement-Seeking	.63	06	.37	.57	.05	10	
E6: Positive Emotions	.82	24	.55	.28	.51	13	
Openness facets							
O1: Fantasy	.73	.26	.08	.53	.17	30	
O2: Aesthetics	.72	03	.10	.50	.49	.12	
O3: Feelings	.63	.17	.32	.56	.46	.05	
O4: Actions	.58	27	.18	.58	.02	13	
O5: Ideas	.86	03	.08	.75	.08	.26	
O6: Values	.22	32	16	.50	.15	06	
Agreeableness facets							
A1: Trust	.66	37	16	.13	.64	.14	
A2: Straightforwardness	.62	.05	48	38	.22	.19	
A3: Altruism	.68	14	.05	.07	.71	.34	
A4: Compliance	.39	33	56	.05	.38	.08	
A5: Modesty	.65	.30	55	37	06	17	
A6: Tender-Mindedness	.47	03	08	.07	.67	.14	
Conscientiousness facets							
C1: Competence	.70	27	.36	.21	.12	.70	
C2: Order	.70	03	.02	11	15	.71	
C3: Dutifulness	.60	02	.01	24	.27	.74	
C4: Achievement Striving	.81	22	.41	.19	.13	.62	
C5: Self-Discipline	.61	29	.18	.06	.22	.72	
C6: Deliberation	.71	22	22	02	.06	.71	

註:樣本數 214, Varimax轉軸, 因素負荷大於 0.4 以粗體表示。

(表三)績效準則、人格特質五因素之間相關係數

			績效準則								人格特質因素		
變數	M	SD	1	2	3	4	5	6	7	8	9		
	63.6	48.9	.—										
2.佣金額(FYC;萬)	21.7	15.2	.97**	.—									
3.銷售件(Case;件)	22.7	15.4	.83**	.90**	.—								
4.客觀總績效	_	_	.97**	.99**	.94**	.—							
5.神經質(N)	15.3	2.7	10	09	08	09	.—						
6.外向性(E)	20.6	2.3	.10	.14*	.14*	.13	39**	.—					
7.開放性(O)	20.4	2.1	.03	.07	.12	.08	18**	.55**	.—				
8.友善性(A)	21.3	1.6	03	05	05	05	26**	07	.00	.—			
9.嚴謹性(C)	21.7	2.3	.18*	.20**	.22**	.21**	59**	.24**	.10	.19**	.—		

註:1.**表示相關性顯著水準為 0.01(2-tailed)

3.人格特質五因素各由六個細刻面(facets)之平均分數(5 點量表)加總 , 計分之理論範圍為 6-30。

(表四)個人背景、人格五因素及細刻面與主、客觀績效準則之相關係數

			客	客觀績效 詞	己錄	主觀績效準則
	銷售	善額 佣	金額	銷售件	客觀總績效	整體績效自評
人變數						
年齡	.19**	.14**	.09		.14*	.07
婚姻	.22**	.19**	.20**		.21**	.09
子女數	.31**	.28**	.27**		.30**	.15*
年資	.30**	.25**	.14*		.24**	.08
omains						
Neuroticism	10	09	08		09	45**
Extraversion	.10	.14*	.14*		.13	.44**
Openness	.03	.07	.12		.08	.22**
Agreeableness	03	05	05		05	03
Conscientiousness	.18*	.20**	.22**	•	.21**	.57**
ıroticism facets						
N1: Anxiety	03	01	.00		02	31**
V2: Angry Hostility	04	03	03		03	27**
V3: Depression	07	06	07		07	43**
N4: Self-Consciousness	12	10	09		10	40**
N5: Impulsiveness	03	04	04		04	16*
N6: Vulnerability	18**	18**	16*		18**	53**
raversion facets						
1: Warmth	02	.01	.04		.01	.28**

^{*}表示相關性顯著水準為 0.05(2-tailed)

^{2.}績效指標以最近六個月公司內部記錄加總計算。客觀總績效為銷售額、佣金額、銷售件之標準化分數加總 而得。

E2: Gregariousness	.03	.06	.10	.07	.26**
E3: Assertiveness	.23**	.25**	.21**	.24**	.50**
E4: Activity	.16*	.21**	.21**	.20**	.37**
E5: Excitement-Seeking	.01	.02	.03	.02	.19**
E6: Positive Emotions	.04	.05	.04	.04	.31**
Openness facets					
O1: Fantasy	03	00	.04	.00	09
O2: Aesthetics	.02	.05	.08	.05	.28**
O3: Feelings	.12	.16*	.20*	.17*	.18**
O4: Actions	02	.01	.06	.02	.23**
O5: Ideas	.05	.06	.09	.07	.20**
O6: Values	05	03	.01	03	.05
Agreeableness facets					
A1: Trust	02	02	.01	01	.20**
A2: Straightforwardness	06	11	13	10	18**
A3: Altruism	.04	.05	.06	.05	.35**
A4: Compliance	.12	.12	.13	.13	.06
A5: Modesty	17*	20**	23**	21**	52**
A6: Tender-Mindedness	.03	.03	.02	.03	.12
Conscientiousness facets					
C1: Competence	.22**	.25**	.23**	.24**	.56**
C2: Order	02	03	.00	02	.20**
C3: Dutifulness	.14*	.16*	.14*	.15*	.37**
C4: Achievement Striving	.18**	.22**	.25**	.23**	.66**
C5: Self-Discipline	.23**	.26**	.30**	.27**	.59**
C6: Deliberation	.08	.09	.12	.10	.22**
Organizational Citizenship					
Behaviors(OCBs)					
Helping behavior	.20**	.22**	.19**	.21**	.51**
Civic Virtue	.18*	.18*	.14*	.17*	.53**
Sportsmanship	.05	.06	.12	.08	.37**

註:1.**表示相關性顯著水準為 0.01(2-tailed)

^{*}表示相關性顯著水準為 0.05(2-tailed)