

Study of Effects of Working Capital Management on Profitability of Firms in Pakistan

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Abstract

The study used 12 years of annual panel data since that time to look at the consequences of working capital management on the viability of the enterprise during the different operating cycles of 65 non-financial companies registered on the Karachi Stock Exchange (Pakistan) from 2004- 2016. We use the Pedroni panel co-integration and Kao residual panel co-integration methods to ensure the effective long-term connection among the variables considered. The results of the regression analysis show that there is a prominent negative relationship among the cash conversion cycle and its composition and the profitability of the company. In addition, the economic cycle will influence the management of working capital and the company's interest rate; therefore, it may be said that the effective management of working capital is important, so it must be involved in the financial plan.

Keywords: Working Capital Management, Profitability of Firms, Panel Data, Karachi Stock Exchange, Pakistan

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Introduction

Despite the great profits that firms receive in today's commercial environment, their survival chances are uncertain due to these two factors. The first is the business's incapacity to pay back short-term borrowing. Additionally, another nation's economic status is not favorable (Javid & Dalian, 2014). The business prioritizes capital structure, capital budgeting, and financial

management choices in order to generate enormous profits. budget for long-term assets and investments, Capital choices (Kandpal & Kavidayal, 2013; Khan et al., 2023; Iqbal et al., 2023). However, since operating capital profoundly influences a business's liquidity and profitability, Additionally, capital management is crucial (Nazir & Afza, 2009; Raheman & Nasr, 2007; Gul et al., 2023; Hussain & Javaid, 2023; Ishfaq et al., 2024).

Every company's primary goal is to increase profitability and shareholder value (Namalathan, 2010; Asghar et al., 2024; Sibte-Ali et al., 2024), however, maintaining appropriate liquidity is another crucial function. As a result, these two goals involve striking a balance between risk and reward. Increased liquidity investment will lower the danger of inadequate liquidity, but as excessive investment in liquid resources would restrict the company's potential to generate additional revenue, earnings is constrained. However, if the business neglects to keep its cash, it may ultimately face insolvency. These evidences underscore the prominence of effective working capital management.

WCM attests to the fact that enough money is made to ensure that the company runs on a daily basis (Gul et al., 2013; Iqbal, 2023; Shafiq & Khan, 2024). Current liabilities and modern resources are the two main elements of working capital management (Harris, 2005; Shahid & Ahmad, 2024). Present resources are assets that can be converted to cash annually, and current liabilities are related to assets that you must pay annually (Addae & Nyarko-Baasi, 2013; Kousar et al., 2023). Liabilities, planning and controlling current assets are involved in efficient working capital management to eliminate the risk of distortion without generating additional cash. Each company must have the best level of WC in direction to enhance the values of the company.

The organization of WC largely depends on the ability of the corporation to manage exchange cycles. The time between buying the initial supplies and being paid or paying the supplier is included in the cash conversion cycle (Namalathan, 2010; Ramzan & Farooq, 2024). In extreme cases, high conditions of inventory and commercial credit tolerance may increase the profit margin and lower the danger of inventory deterioration, but, excessive venture in WC has prolonged the cycle cash conversion. Delays in payment to the supplier provide the company with a flexibility in funding and decrease cash cycle, and on the spot, prepayment can be made at a cash discount.

Currency changes affect employment organizations and temporary financing options. In the business cycle, organizational success depends on successful organization and the performance of capital. In this way, all revenue from all business cycles, the previously measured financial statement and its impact on inventory management, the senior management staff of accounts payable and the accounts payable register, and the penalty agreement of death and / or separation prepared. When to place working capital within the advertising range or distance.

In the Pakistani economy, organizations raise funds through bank loans in four different ways (i), by making an offer (ii) by issuing securities (iii), by issuing securities or by acquiring liabilities (iv). To meet the prerequisites for working capital, the organization obtains advance payments from the bank and uses the remaining alternative methods when a medium and long-term account is required. In this sense, the monetary terms perform a crucial part in the resolution of these options. Furthermore, the organization of its various departments is affected by the economic development of Pakistan. They are an important source of government income and employment opportunities. According to the Pakistan Economic Summary (Addae & Nyarko-Baasi, 2013), the contemporary sector's percentage of GDP was 22.10% in 2007, it fell to 20.90% in 2008 and it was outdated in 2009, 2010 and 2011, respectively, 21.00%, 21.20%, 21.00%. It then fell to 20.30%, representing 20.40% of GDP in 2013. In the past five years, Pakistan's unemployment rate has also stagnated, falling 5.1%. As you can see in the table below, the affiliation between the two factors (GDP and modern development) is welcome, and the appreciation or deterioration of one variable will have a legal impact on the other.

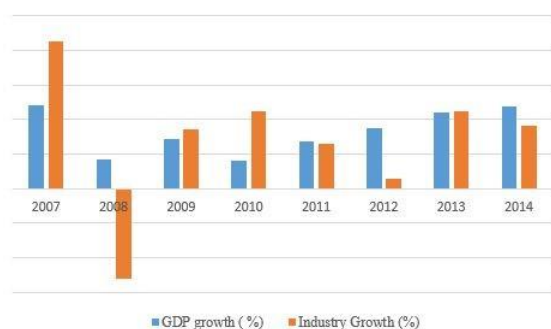


Figure 1. Movement showing Industry Growth and GDP growth.

Therefore, from the perspective of Pakistan, the capital management's impact on the profit of each work cycle is important, so no precise tests have been conducted based on these ideas. This study examines the currency conversion cycle. The impact of organizational income. From 2004 to 2013, Pakistan's non-budgetary component reached 65 in one cycle.

Current research focuses on five areas. Sphere 2 reviewed this article. There are 3 studies in the area; the fourth point is the observed value and the fifth point is the result.

Review of Literature

The American company database from 1975 to 1994 to determine the connection among CM and company effectiveness, and established a currency conversion cycle and company profit (Shin & Soenen, 1998; Siddique et al., 2023; Mehmood & Hayyat, 2022). Wang used data from Taiwanese and Japanese companies to study the relationship between business performance and

CCC, and stated that companies can improve performance by shortening currency cycles (Deloof, 2003; Abbas et al., 2023) used 1,009 Belgian non-financial firms from 1992 to 1996 to study the affiliation among corporate profitability and WCM. The statistics show a substantial inverse affiliation among inventory and accounts payable, accounts receivable, and total operating income. Juan Garcia Teruel and (García-Teruel & Martínez-Solano, 2007; Ali & Khan, 2023) used data from 8,872 companies from 1996 to 2002 to research how CM affects competitiveness of Spanish SMEs. The findings indicate a substantial inverse relationship between the variable offsets.

(Rehn, 2012) also used data from Finnish and Swedish companies to study the affiliation among WCM and company profitability, and pointed out that when the currency conversion cycle shortens, the company's profitability will increase (Enqvist et al., 2014) also studied the similar relationships, but in the past 18 years, the use of Finnish non-financial company data has increased the impact of business cycles on these relationships. The results show that the economic cycle affects the management and profitability of working capital. During the economic downturn, effective inventory management and accounts receivable management had a greater impression on the firm's financial success.

In specific circumstances in Pakistan, (Shah & Sana, 2005) used the organization's data to research the impression of WC on the organization's profits. The data was registered by the Pakistan Ministry of Oil and Gas from 2001 to 2005. They explained in detail that Stock levels are negatively correlated with, sales records, currency exchange cycles, transaction development and total revenue, but there is a constructive correlation between accounts allocated and total revenue. (Raheman & Nasr, 2007) used information from 94 Pakistani companies (from 1999 to 2004) to analyze joint capital management, liquidity and organizational productivity. The results show that the currency conversion cycle and its subdivision, liquidity and liabilities are negatively correlated with the organization's productivity, and a favorable association exists between the organization's size and salary.

(Usman, Saleem, & Aziz, 2012) used information from an insurance company in Pakistan and believed that there is a undesirable correlation between CCC and performance, but the association currently has all resources, There is a positive link among the company's share of the company's current earnings. Introduction Tariq Ali, M.Mumtaz and Rehan use the Council's approach to end discussions, net trade cycles, CCC and positive links, although there is no negative impact between the Stock rotation. Reporting rotation and performance relationship (Nasreen, Khanam, & Pirzada, 2014) used a database of 45 Pakistani food registration agencies from 2008 to 2012, and determined the close link between the association's work and productivity in capital management. (Zariyawati, Annuar, Taufiq, & Rahim, 2009) used OLS repeated summaries in a dataset containing 1,628 Malaysian companies from 1996 to 2006, and identified the key relationship between the organization's profitability and change cycle currency (Namalathan, 2010) also used a database of Sri Lanka insurance companies to explore

corporate interests and labor capital management, and confirmed the undesirable correlation between CCC and ROA.

Niresh also found that here indirect relation b\w the profitability of CCC and the profitability of Sri Lankan's companies. (Takou, 2013; Zaid et al., 2024) used a dataset of 46 companies that were publicly listed in Nigeria from 2000 to 2009. The findings indicate a strong inverse relationship among success and an efficient alteration sequence (Addae & Nyarko-Baasi, 2013) used data from 2004 to 2009. In Chattanooga, regression and correlation analysis were conducted in the distribution company Ghana. According to reports, there is an anti-corruption relationship.

Methodology

We used 12-year annual panel data from 2004 to 2016 in this analysis. This information is drawn by 65 anti-financial companies included well into the Pakistan KSE-100 Survey. All details are taken from the financial reports maintained by the SBP. Following a study of the empirical studies, the following functions were used to evaluate the perfect used to examine the affiliation among WC:

$$ROA_{i,t} = \beta_0 + \beta_1 CCC_{i,t} + \beta_2 CR_{i,t} + \beta_3 SAL_{i,t} + \beta_4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_1 INV_{i,t} + \beta_2 CR_{i,t} + \beta_3 SAL_{i,t} + \beta_4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_1 AAR_{i,t} + \beta_2 CR_{i,t} + \beta_3 SAL_{i,t} + \beta_4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_1 AP_{i,t} + \beta_2 CR_{i,t} + \beta_3 SAL_{i,t} + \beta_4 BYC_{i,t} + \epsilon_{i,t}$$

Incorrect terms I refer to the number of companies on the board of directors, and over time, I refer to the number of perceptions. ROA is the resource entry rate, expressed as a ratio (%), CCC is the currency conversion cycle in days, INV is the inventory in one day, AAR is the acceptable record in days, AP is the number of days to pay, CR is Current ratio, % means ratio) BYC is an economic cycle used as a medium during periods of economic recession and explosion. The current test also uses the basic Hadri board element test to study the fixed attributes of the factors. Pedroni's forum coordination method (Pedroni, 1999) destroyed the operational relationship between factors a long time ago. In this study, we re-examined the operational factor a long time ago. Recognizing its impact on the budget. economic cycle.

Results and Discussions

We used specific Hadri panel module tests to check the suspended properties of the statistics. The findings of the fixed test are seen in Table 1. These measures are used first at the factor level and also at the first gap.

The discoveries in Table 3 demonstrate that all variables are constant and incorporated into the first differential. This suggests that this set of variables does not have a single fundamental issue,

The static consequences of the root test unit direct that each flexible series is a first-order integral. (Pedroni, 1999) uses proven panel mounting techniques to investigate how the factors we discuss relate over the long run. The herringbone panel mounting method has several advantages over other panel data coin mounting methods. This system controls and also addresses the variance of the size of the company. Panel mounted development is evaluated by model variables and remaining components analysis. The variable must be linked as I (1), and the rest must be I (0) (if the variable is combined). Suppose that the residual of currency integration can be formed by the following equation:

Table 1: Hadri Unit Root Test Results

Variables	Trend		Trend & Intercept	
	t-statistic	Prob.	t-statistic	Prob.
ROA	6.192	0.00	354.189	0.00
	8.682	0.00	49.510	0.00
CCC	4.614	0.00	19.511	0.00
	7.910	0.00	46.861	0.00
INV	8.287	0.00	33.562	0.00
	9.652	0.00	48.769	0.00
AAR	9.523	0.00	40.303	0.00
	8.390	0.00	48.422	0.00
AP	5.386	0.00	21.626	0.00
	7.662	0.00	47.204	0.00
CR	14.46	0.00	73.970	0.00
	8.406	0.00	49.218	0.00
SAL	7.365	0.00	16.876	0.00
	7.918	0.00	43.400	0.00

With the invalid theory of no co-combination, the remaining is I(1) and $\pi_i = 1$. There are two elective speculations. To begin with, the homogenous other option (inside measurement test), $(\pi_i = \rho) < 1$ on behalf ofaltogether I, and second, mixed other option (amongst measurement before gathering insights) $\pi_i < 1$ for all for example

$$ROA_{i,t} = \beta_0 + \beta_t^1 CCC_{i,t} + \beta_t^2 CR_{i,t} + \beta_t^3 SAL_{i,t} + \beta_t^4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_t^1 INV_{i,t} + \beta_t^2 CR_{i,t} + \beta_t^3 SAL_{i,t} + \beta_t^4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_t^1 AAR_{i,t} + \beta_t^2 CR_{i,t} + \beta_t^3 SAL_{i,t} + \beta_t^4 BYC_{i,t} + \epsilon_{i,t}$$

$$ROA_{i,t} = \beta_0 + \beta_t^1 AP_{i,t} + \beta_t^2 CR_{i,t} + \beta_t^3 SAL_{i,t} + \beta_t^4 BYC_{i,t} + \epsilon_{i,t}$$

The estimated waste is:

$$\epsilon_{it} = \rho \epsilon_{it-1} + v_{it}$$

(Pedroni, 1999)'s method of registering a joint board of directors depends on understanding the joint combination of the seven boards. Four of these metrics depend on the interior of the metric test, while the other three ideas are based on the method of collecting ideas, that is, using appropriate tools and changes, and the asymptotic dispersion of the metric follows the usual distribution.

$$K = \frac{K_{NT} - \mu\sqrt{N}}{\nu} \geq N(0, 1)$$

Where KNT speaks to the relating type of test measurements as for N and T. μ and ν are the snapshots of the Brownian effort that stay surrendered (Pedroni, 1999). Mathematical estimations of μ and ν rely on the nearness of a consistent, period pattern, then the number of repressors in the joining test relapse. Consequences of Pedroni's board c reconciliation are introduced in chart.

The results show that in all six models, the ADF and PP test facilities expressed based on internal metrics and collected methodologies show wrong theories of non-compliance, as each is considered a variable joint venture individually. (Gutierrez, 2003) believes that it is the best opportunity to determine reconciliation between test instruments (Pedroni, 1999). It is certain that the factors we choose have shown a great relationship long ago.

Table 2: Pedroni Panel Cointegration (Engle-Granger based)

ROA= f (CCC+CR+SAL)		
Test	Estimate	Prob.
Panel v-statistic	-03.169	1.000
Panel rho-statistic	03.435	1.000
Panel PP statistic	-05.332	1.000
Alternative Hypothesis: Individual AR Coefficient		
Group v-statistic	7.410	1.000
Group rho-statistic	-9.991	1.000

Group PP statistic	-3.481	0.003
Kao Residuals Test		
Panel PP statistic	-5.598	0.000

Table 3: Pedroni Panel Cointegration (Engle-Granger based)

ROA=f(INV+CR+SAL)		
Test	Estimate	Prob.
Panel v-statistic	-4.496	1.00
Panel rho-statistic	4.006	1.00
Panel PP statistic	-9.359	0.00
Alternative Hypothesis: Individual AR Coefficient		
Group v-statistic	6.47	1.000
Group rho-statistic	-15.48	0.000
Group PP statistic	-4.89	0.000
Kao Residuals Test		
Panel PP statistic	-4.697	0.000

Table 4: Pedroni Panel Cointegration (Engle-Granger based)

ROA=f(AAR+CR+SAL)		
Test	Estimate	Prob.
Panel v-statistic	-4.137	0.999
Panel rho-statistic	5.267	1.000
Panel PP statistic	-8.990	0.000
Alternative Hypothesis: Individual AR Coefficient		
Group v-statistic	8.916	1.000
Group rho-statistic	-12.6	1.000
Group PP statistic	-3.36	0.007
Kao Residuals Test		
Panel PP statistic	-4.110	0.000

Table 5: Pedroni Panel Cointegration (Engle-Granger based)

ROA=f(AP+CR+SAL)		
Test	Estimate	Prob.
Panel v-statistic	-4.888	1.000
Panel rho-statistic	5.090	1.000
Panel PP statistic	-6.390	0.000
Alternative Hypothesis: Individual AR Coefficient		
Group v-statistic	7.0090	1.000
Group rho-statistic	-13.895	0.000
Group PP statistic	-3.922	0.003

Kao Residuals Test		
Panel PP statistic	-4.606	0.000

We also used a (Kao, 1999) mixed constant test to confirm that the currency conversion cycle and its impact on the company have no monetary compensation. The remaining misunderstanding of the Kao Joint Coordination Test is that there is no mixing of factors between matrices. The attractive chance of a long-term association should be less than 0.10, indicating that there is a reasonable long-term association that has a significant degree of 10%. Table 4 lists the other results of the Kao Joint Commission test. The results show that each of these six models can eliminate irrelevant misunderstandings because this choice is based on the coordinated choice of each variable provided by companies that are not related to customers. Table 7 shows the results of the evaluation based on a long-term recidivism test.

Table 7: The affiliation between CCC and ROA in diverse economic cycle

	1		2		3		4	
	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.
INTERCEPT	-2.623	1.268	-5.935	1.260	-1.642	1.335	-3.1170	1.2680
REC	-2.323	0.005						
BOOM	--	--	2.334	1.010	--	--	--	--
CCC	-1.002	1.069	-1.001	1.026	--		--	--
(CCC*REC)	--	--	--	--	1-.002	1.003	--	--
(CCC*BOOM)	--	--	--	--		--	-1.008	1.002
CR	1.273	1.541	.293	1.568	1.291	1.592	1.329	1.531
SAL	3.708	1.004	3.717	1.000	1.338	1.105	3.209	1.048
Adj. R2	1.268		1.286		1.168		1.169	
F-Statistic	3.134		3.139		4.279		4.329	
p-value	1.003		1.003		1.019		1.018	

The results of provisional questionnaire 4 results that the CCC has a prominent negative impact on the productivity of anti-bank companies. These findings tell the currency exchange cycle is an important part of improving the organization's profitability. In this sense, to expand the profitability of the currency, the currency exchange cycle must be limited after the organization has a larger currency conversion cycle. Right now, they require external funds, that will give acceptable prices and decrease production.

Table 8: Relationship between ROA and INV in diverse economic sequences

	1		2		3		4	
	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.
INTERCEPT	-1.471	1.249	-6.59	1.342	-2.876	1.212	-2.865	1.224
REC	-2.255	1.009			--	--	--	--
BOOM	--	--	2.225	1.018	--	--	--	--
INV	-1.008	1.039	-1.008	1.039	--	--	--	--
(INV*REC)	--	--	--	--	-1.035	1.002	--	--
(INV*BOOM)	--	--	--	--	--	--	1.034	1.002
CR	1.299	1.256	1.289	1.259	1.314	1.26	1.323	1.25
SAL	3.573	1.022	3.593	1.013	1.259	1.019	3.259	1.019
Adj. R2	1.29		1.38		1.219		1.219	
F-Statistic	5.179		5.181		3.983		3.979	
p-value	1.002		1.002		1.017		1.018	

As the currency conversion process has substantial negative effect on the productivity of anti-financial firms, we are now evaluating the different components of the currency conversion process. Table 8, 9, 10 show the details of the stocks in days, receivables in days and accounts receivable in days. The findings show that the payment of inventories and receivables has a major negative impact.

Table 9: Relationship between ROA and ANP

	1		2		3		4	
	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.
INTERCEPT	-5.071	1.249	-6.157	1.214499	-4.392	1.349	-4.3501	1.570
REC	-4.079	1.003	--	--	--	--	--	--
BOOM			4.189	1.003	--	--	--	--
AAR	-1.012	1.002	-1.012	1.0017	--	--	--	--
(AAR*REC)	--	--	--	--	-1.014	1.026	--	--
(AAR*BOOM)	--	--	--	--	--	--	-1.018	1.039
CR	1.294	1.219	1.292	1.219	1.327	1.220	1.319	1.214
SAL	3.823	1.004	3.823	1.0032	3.530	1.019	3.480	1.025
Adj. R2	1.36		1.29		1.22		1.19	
F-Statistic	3.490		3.490		3.974		3.969	
p-value	1.001		1.001		0.017		0.019	

Table 8 (1) and model (2) show because there is a substantial drawback correlation among daily inventory and corporate income. The consequences show that when inventory development is moderate, it will increase storage costs such as inventory, warehouse storage,

protection, and organizational costs, which will ultimately reduce the organization's profitability. The seventh attribute of the data demonstrates a significant inverse relationship among acceptable income and income models (1) and (2). The purpose of this negative relationship is that if the customer transfers this installment, he will pay a large sum of money, therefore, the investment in these assets will not receive a bonus, so the organization must fight to get more loans to complete the loan. The filling process affects the productivity of the organization.

Table 10 Model (1) and Model (2) show that there is a serious negative correlation between a borrower's loan and a company's productivity, as more and more beneficiary companies temporarily repay the debt in a limited time (in any case temporary). And will be reimbursed with less return. Revenue organization.

Table 10: Relationship between ROA and AP in several phases of business

	1		2		3		4	
	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.	Coeff.	Prob.
INTERCEPT	-4.399	1.255	-5.837	1.472	-4.769	1.199	-4.769	1.249
REC	-4.369	0.00	--	--	--	--	--	--
BOOM			4.369	0.00	--	--	--	--
AP	-1.007	1.008	-1.007	1.008	--	--	--	--
(AP*REC)	--	--	--	--	1.017	1.001	--	--
(AP*BOOM)	--	--	--	--	--	--	-1.021	.00
CR	1.249	1.851	1.251	1.855	1.292	1.429	1.283	1.458
SAL	3.799	1.014	3.799	1.014	3.579	1.034	3.583	1.029
Adj. R2	1.30		1.30		1.26		1.26	
F-Statistic	5.459		5.459		4.825		4.826	
p-value	1.001		1.001		1.003		1.003	

Interaction Terms Result

Table 8 (1) and model (2) show a significant undesirable correlation among Mr. Tian's stock and the business's profits. The results show that when the stock market develops moderately, it will increase the value of property, such as the organization's storage, retention, protection, and costs, and ultimately reduce the organization's profits. The effects listed in Table 9 also show a severe negative correlation between the profit and loss models (1) and (2). The purpose of negative relationship shows, if the customer delays payment, the fee is not small. Therefore, since it is impossible to earn a premium by financing these assets, the organization must apply for additional loans to complete the final payment. The process of restoring inventory may affect the productivity of the organization.

Table 10 (1) and model (2) show that there is a serious negative correlation between the debtor's debt and the company's productivity, because more and more profitable companies can repay the transitional debt within a limited time. In either case, organizations with lower profits will delay immediate profits.

The influence consequence of the eighth model (3) in the table displays that the smart item (REC * AP) variations the meaning of the affiliation, means that through the economic recession, the correlation between factors is positive. The results show that it is difficult for organizations to make advances from the bank during economic downturns. Therefore, by delaying payments from providers, they can use the money to meet their financial needs and improve their interests. In any case, the model (4) given in Table 5 displays that the intuitive term (BOOM * AP) doesn't change the size of this affiliation, and it can be determined that there is a key adverse connection among credit and productivity during the explosion relationship. .

Control Variables Results

The ratio in all models has little consequence on the profits of non-financial businesses, while sales have a large impact on the profits of non-financial companies.

Conclusions and Policy Outcomes

The study used data from a 12-year annual panel of experts between 2004 and 2016 to research the effects of CM by 65 nonprofit companies on the effectiveness of companies in several phases of business. Cash and its three components, namely day inventory, day-to-day accounts and day-to-day accounts, will investigate their effect on the profits of non-financial companies. We have also developed interactive conditions for analyzing the effect of a market cycle on the allocation of WC and effectiveness.

Use Kao's methods to install the Aton panel and install the waste panel to ensure long-term relationship between the given variables. A complete sample of the consequences of the regression investigation expressions that the money supply cycle and its apparatuses have a prominent undesirable effect on the profitability of non-financial companies. The results shows that the current variable control index had a negligible influence on the corporation's effectiveness, while sales had a prominent positive effect on the company's profitability.

The results also shows that in different business cycles, the conditions associated with the currency conversion cycle and the conditions of contact with the debtor are similarly negative correlations with the company's salary, while the union point is crucial to the company's productivity. Company when the explosion occurred. Positive correlation, however, is a significant beneficial relationship among the date of payment of the tax and the reduction in the company's profit.

It very well may be reasoned that organizations' benefit can be enhanced by dealing with the working capital in a proficient way. In addition, the estimation of the investors can be enhanced by limiting the record receivables in days and augmenting the loan boss' terms. This over the top money ought to be reinvested in the transient assets to win benefits.

In the event of a recession, organizations should emphasize on delaying installment payments, as this will help increase their liquidity, and select a supplier that will allow for the right terms, and continue to adopt the production concept in a timely manner. This is impossible. The result is equity ownership, and the result is profitable. In fact, in the event of an explosion, the organization needs to pay off its obligations as soon as possible, as having a large amount of capital negatively affects its profits, and the organization must always have adequate materials available, as doing so can guarantee continued flexibility. And superiority. Includes introduction to the organization. Additionally, companies should hire financial experts to guide effective capital management.

References

1. Addae, A. A., & Nyarko-Baasi, M. (2013). Working capital management and profitability: An empirical investigation in an emerging market. *Research Journal of Finance and Accounting*, 4(15), 143-152.
2. Abbas, Q., Ali, M. A., & Iqbal, S. (2023). Going Green on social media: Exploring the Effect of Firm-Generated Content on Brand Trust and Purchase Decision in Pakistan with a Focus on Environmental Concern. *International Journal of Social Science & Entrepreneurship*, 3(3), 187-207.
3. Asghar, M. M., Safdar, R., Zubair, M., & Hanif, M. (2024). Exploring the Influence of Financial Development, Institutional Quality and Trade Openness on Inclusive Growth in SAARC Countries. *Pakistan Journal of Humanities and Social Sciences*, 12(2), 1450-1461.
4. Ali, R., & Khan, S. S. (2023). Big Data Analytics' Influence on Competitive Advantage: Mediating Green Creativity and Green Commitment, Moderated by Individual Green Values and Green Psychological Climate. *THE ASIAN BULLETIN OF GREEN MANAGEMENT AND CIRCULAR ECONOMY*, 3(1), 71-92.
5. Deloof, M. (2003). Does working capital management affect profitability of Belgian firms? *Journal of business finance & Accounting*, 30(3-4), 573-588.
6. Enqvist, J., Graham, M., & Nikkinen, J. (2014). The impact of working capital management on firm profitability in different business cycles: Evidence from Finland. *Research in International Business and Finance*, 32, 36-49.
7. García-Teruel, P. J., & Martínez-Solano, P. (2007). Effects of working capital management on SME profitability. *International Journal of Managerial Finance*.

8. Gul, S., Khan, M. B., Raheman, S., Khan, M. T., Khan, M., & Khan, W. (2013). Working capital management and performance of SME sector. *European Journal of Business and Management*, 5(1), 60-68.
9. Gul, R., Hussain, M., & Javaid, M. Q. (2023). Influence of social media marketing in development of customer trust and satisfaction through the moderating role of electronic word of mouth. *Journal of Social Sciences Review*, 3(1), 623-638.
10. Gutierrez, L. (2003). On the power of panel cointegration tests: a Monte Carlo comparison. *Economics Letters*, 80(1), 105-111.
11. Harris, A. (2005). Working capital management: difficult, but rewarding. *Financial Executive*, 21(4), 52-54.
12. Hussain, M., & Javaid, M. Q. (2023). Influence of social media marketing in development of customer trust and satisfaction through the moderating role of electronic word of mouth. *Journal of Social Sciences Review*, 3(1), 623-638.
13. Iqbal, S. (2023). Exploring the relationship between green human resource management and green creativity: The moderating influence of green behavioral intention. *Pakistan Journal of Humanities and Social Sciences*, 11(1), 426-439.
14. Iqbal, S., Kumar, N., & Khan, F. A. (2023). Corporate social responsibility and brand loyalty in punjab's banking sector: exploring the mediating role of corporate branding. *Pakistan Journal of Humanities and Social Sciences*, 11(2), 853-863.
15. Ishfaq, M., Rasool, A., Asghar, M. M., Karim, S., & Ahmad, R. (2024). Impact of Natural, Physical and Human Capital Formation on Economic Growth in Pakistan: An ARDL Analysis. *Journal of Asian Development Studies*, 13(3), 222-233.
16. Javid, S., & Dalian, P. (2014). Effect of Working Capital Management on SME's Performance in Pakistan. *European Journal of Business and Management*, 6(12), 206-220.
17. Kandpal, V., & Kavidayal, P. (2013). Implication of working capital management on the profitability: A case of ongc ltd, India. *Indian Journal of Commerce and Management Studies*, 4(2), 49.
18. Kao, C. (1999). Spurious regression and residual-based tests for cointegration in panel data. *Journal of econometrics*, 90(1), 1-44.
19. Khan, M. M. A., e Ali, M. S., & Asim, S. (2023). Assessment of service quality and innovation in developing customer loyalty; the mediating role of customer commitment and satisfaction. *Pakistan Journal of Humanities and Social Sciences*, 11(1), 243-257.
20. Kousar, T., Ali, M. A., & Abbas, Q. (2023). Enhancing E-Business Success: Unraveling the Effect of Customer Engagement on Customer Citizenship Behavior and Purchase Decisions in Pakistan. *Journal of Asian Development Studies*, 12(3), 79-96.
21. Mehmood, S., & Hayyat, A. (2022). Does Impulse Buying Behavior mediate the relationship between Social Network Marketing and Customer Satisfaction? Evidence from Pakistan. *Journal of Business & Economics (JBE)*, 14(2), 96-107.

22. Namalathasan, B. (2010). Capital Structure and its Impact on Profit Ability: A Study of Listed Manufacturing Companies in SRI Lanka. *Ekonomika, Journal for Economic Theory and Practice and Social Issues*, 56(1350-2019-2397), 83-92.
23. Nasreen, S., Khanam, F., & Pirzada, S. S. (2014). Impact of Working Capital Management on Firm'S Profitability. *Research Journal of Finance and Accounting*, 5(11), 210-222.
24. Nazir, M. S., & Afza, T. (2009). Impact of aggressive working capital management policy on firms' profitability. *IUP Journal of Applied Finance*, 15(8), 19.
25. Pedroni, P. (1999). Critical values for cointegration tests in heterogeneous panels with multiple regressors. *Oxford Bulletin of Economics and statistics*, 61(S1), 653-670.
26. Ramzan, S., & Farooq, N. (2024). Role of Social Media Platforms in Dissemination of Knowledge, Ideas, and Innovation among Employees within Governmental Organizations-A Sociological Study in Southern Punjab. *The Critical Review of Social Sciences Studies*, 2(2), 96-114.
27. Raheman, A., & Nasr, M. (2007). Working capital management and profitability—case of Pakistani firms. *International review of business research papers*, 3(1), 279-300.
28. Rehn, M.-E. (2012). Effects of Working Capital Management on Company Profitability- An industry-wise study of Finnish and Swedish public companies.
29. Sibte-e-Ali, M., Faridi, M. Z., Javed, K., & Javaid, M. Q. (2024). Exploring the impact of Green Supply Chain Management Practices on Environmental Performance of Firms: What is the Role Intellectual Capital and Green Information System. *Pakistan JL Analysis & Wisdom*, 3, 83.
30. Shafiq, M. A., & Khan, M. S. (2024). Assessment of Corporate Social Responsibility on Customer loyalty through moderating role of Servant Leadership and Customer Commitment: Evidence from Telecommunication Industry. *Journal of Tourism, Hospitality, and Services Industries Research (JTHS)*, 4(01), 22-43.
31. Shah, S. A., & Sana, A. (2005). Impact of working capital management on the profitability of oil and gas sector of Pakistan. *Editor-In-chief or e*, 15(3), 301-307.
32. Shahid, M. N., & Ahmad, B. (2024). *Influence of Corporate Social Responsibility on Competitive Advantage Through the Mediating Role of Green Brand Image and Green Brand Love. In Corporate Governance and CSR Strategies for Sustainability* (pp. 20-44). IGI Global.
33. Shin, H.-H., & Soenen, H. L. (1998). Efficiency of working capital and corporate profitability.
34. Siddique, M., Bilal, A., & Ramzan, M. (2023). Unveiling the Sustainable Path: Exploring the Nexus of Green Marketing, Service Quality, Brand Reputation, and Their Impact on Brand Trust and Purchase Decisions. *International Journal of Social Science & Entrepreneurship*, 3(2), 654-676.

35. Takon, S. M. (2013). Does cash conversion cycle have impact on return on assets of Nigerian firms. *Research Journal of Finance and Accounting*, 4(14), 34-42.
36. Usman, M., Saleem, H. M. N., & Aziz, T. (2012). *Impact of working capital management on Pakistani firm's performance*. Paper presented at the 9th International Conference on Statistical Sciences.
37. Zaid, M. U., Rehman, Z. U., Shafiq, M. A., Wasim, S. M., & Mehmood, S. (2024). Impact of Social Media Marketing Activities on Relationship Quality through the Mediating role of Brand Equity. *Indus Journal of Social Sciences*, 2(2), 90-111.
38. Zariyawati, M. A., Annuar, M. N., Taufiq, H., & Rahim, A. A. (2009). Working capital management and corporate performance: Case of Malaysia. *Journal of Modern Accounting and Auditing*, 5(11), 47.