



Role of Taxation in Formulation of Fiscal Plan (Case study of Pakistan)

Mohammad Salih Memon

Assistant Professor, Department of Business Administration
Shah Abdul Latif University Khairpur, Sindh, Pakistan.
saleh.memon@salu.edu.pk

Dr. Munir Ahmed Shah

Associate Professor, Department of Business Administration
Shah Abdul Latif University Khairpur, Sindh, Pakistan
muneer.shah@salu.edu.pk

Abstract

Research on the role of taxation in formulation of fiscal plan was started from the idea of data collection from the ministry of finance government of Pakistan for the purpose of checking the inter correlation and degree of association between tax collection and dependent variables of fiscal plan: development expenditure, non-development expenditure, by applying Pearson 1-tailed test and linear regression for checking the above effects, moreover researchers found that tax collection is highly correlated with development as well as non-development expenditure, and tax collection is positively associated with the development and non-development expenditures.



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Since the inception of Islamic Republic of Pakistan fiscal document has suit a major utensil; only because of “leading position of public segment in foremost economic tricks in Pakistan”, and “fluctuation in oil prices”. The socio economic magnitude of disintegrate of oil price and the negligence of the economy after 1995 brought the subject of poor quality elevation in the front. Before 1990’s it was pragmatic that the classified segment was departing wiped out, industrial production, export, etc were showing the distress signs. The unemployment rate is at rest towering, and purchasing clout of public is not good, dearth was increasing and financially viable expansion was not moving accordingly as it had to move. The conclusion was macro- economic imbalance domestically as well as externally, and economy needs major adjustments. Hence several measures were introduced in the start of ParvezMusharaf Government to lessen the societal cost of amendment. The government was and still regularly finds itself engage in superfluous budgetary disbursement, for the most part, for which majority of peoples are still suffering.

For the Development of Economic System for the peoples in rural and urban areas the government introduced variety of programs; such as roads and rural infrastructure through local governments by sharing the powers to the Nazims, easy loans available to those peoples on easy conditions through allowing number of private banks especially Khushali and Micro finance banks.

The concern of my research is why fiscal policy fails to attain the objectives concerned with economic Development of the country. There may be many reasons but according researcher think of two major following reasons:

1. Policy itself (in language of deprived targeting, poor course of action, poor performance, and so forth).
2. Non budget policy factors (institutional factors).

Financial plan as a broader fiscal inconsistent in terms of magnitude of disbursement concerned to the returns has in use the key role in the plan. Fiscal dimension such at the same time as joblessness, insufficient public reserves, extreme finances deficits and community arrears burden have greater than before in lots of emergent countries.

In the ICA survey of World Bank, levy rates are known as key restriction by 37 percent of business; and 27 percent in particular identifies the tax management as a key restriction.

Make it simple in favor of businesses to disburse their levy would answer in the saving of charge plus bigger simplicity of doing trade, which would definitely persuade growth of existing trade and formation of fresh ones as well. And a healthier levy system will also dispirit the casualness. Sooner or later as the trade increases their concert; the governments than can accumulate high tax revenues.

Overall division of wealth, along with overall ability of state to manufacture merchandise as well as services, with time factor, overall demand effects on the resource allocation and the capability of production of the country by its pressure, on returns in the direction of all aspect of manufacturing.

Tax rates by their effects on the overall return, saving, and investments also affect the magnitude and allocation of productive capability.

“Fiscal and monetary” policy together are the apparatus in the course of financial system is controlled via the command and centralized banking authority of the country. Fiscal policy is concerned with the decisions of authority regarding taxation and spending, whereas monetary plan is originated by centralized banking authority that is purely interconnected by means of amount of money and interest charge.

The early debate during 1960s on the efficacy of fiscal and monetary policy for stabilization of demand pressures, which touches to the summit where a large group of economists are enquiring for the synchronized efforts of fiscal and monetary plans to compact among the deficit, and inflation.

Literature Review

Taxation

The theoretical literature of public finance is starting from the (Musgrave, 1959) plus (Oates, 1972) suggest an organism which comprises of provincial and narrow governments, even though they got power on their expenditures will impose new levy. The main cause in favor of this is that because sub national supervisions are generally outlook in the writing as somehow more than decentralized service contributors with the strict position of allocation and given that of goods to public.

Furthermore if there is no tax differential, households, and stiffs are assuming to create consumption sagacious and take investment choice.

A separate normative assignment role was advised by (Bernnan & Buchanan, 1980) inside their replica. Seeing that they think that conservative replica of fiscal federalism can easily be taking to mean like revenue maximization sculpt, but theme to competence and equity restraint. As for as intention in (Bernnan & Buchanan, 1980) is for restraining the clutch of government instead of extent it, they also argue about the sub national taxes that those must be obligatory on the mobile dynamics so that intergovernmental rivalry regarding base of tax would show the way to inferior levy rates with the smaller governments. Inside this regard (McLure, CE, 1986) what’s better in favor of private goose is better for community gander; i.e. rivalry is seems to be fit and advantageous in between the governments the same as between private government mediators.



(Bird R. , 1993) Advised with the purpose of better perform if sub national tax offer enough revenue intended for slightest the rich sub national unit to be financially independent in the way of being capable to generate the enough revenue in the course of the taxation that they can easily manage, and swathe the expenditure in support of their responsibility.

Douglass North cleared the state while “an institute which got relative benefit in aggression expending more a geographic region whose precincts are strong-minded via its authority to tax essentials” (North, 1981).

Many other resources mentioned involve the requirement to achieve redistribution equity among countries like an intact (Musgrave, 1983) as well as the objective of accomplishing economies of scale inside the administration of levy (Vehorn & Ahmed, 1997).

Besides that, if funding are not accordingly intended that in result federal governments accepts overall blame for creating up home insufficiency in the primary service release by extra funding, a observe which (Rao & Chelliah, 1991) describe fiscal dentistry, where neither some enticement, nor some requirement meant for local administration to complete their work rightly.

Lots of reasons are there for limiting sub national taxation is set up in the writing, for example; the necessitate for the countries toward follow an incorporated economic liberty (Ter-Minassian, 1997a) in addition to neglect tax war and tax attrition, in the presence of fiscally induced distortions.

Tax document and tax system come up of political preferences, successful democratic association succumb tax structure that go behind humdrum patterns. And the competence of levy totally relying upon the political frame work which is premeditated by political arrangement and the consequent selection variety twisted by the degree which elite class will throw in to the un keep of state and extent of politically prominent divides, such like long ethno linguistic (Hettich & Winer, 1999).

The intention of fiscal policy is to sustain the rank of employment, despite the fact that monetary policy is related with the making of money, altitude of rent of money with the intensity of price rises in the country (Lewis & Leith, 2000).

Recent literature also continue to focus each stage of government must be consign taxes with the aim of very much related to probable settlement resulting as of expense them. Moreover they pointed out that if fiscal transference is toward the realism, sub national governments have to manage their own basis of revenue (Martinez-Vazquez, McLure, & Vaillancourt, 2006).

One main principle that tax imposing must pursue spending errands (Warren, 2006). The exact mode of imposing taxes within some country is based on how expenditure errands are going to be assigned. If central governments, like local administration, are accountable pro sweeping the roads, lanes, and carrying up rubbish than the service utilization cost plus some kind of other squat rate local taxes such as standardized tax on genuine property will probably be adequate.

It is not astonishing so as to one simply discover by the method of local taxation is in actual fact what political stability give the impression to entail (Diaz-Cayeros, 2006). Countries wherever central, provincial, or state governments contain political supremacy and a quantity of decision creation authority like Brazil, and Canada be inclined to have government that have right of entry to the base of most important tax, and countries where central governments got dominant power like Japan be liable to have government which are foremost reliant on central relocate. Countries in the changeover from one political steadiness to other such like Spain & Russia have departed through the dissimilar guidelines on or after time, sometime poignant forward for more and sometime less sub national fiscal authority.

(Kirchler, 2007) Divided tax obedience determinants in to 05 classes, as well as research was founded on psychosomatic plus levy authority-taxpayer's vision

1. Political Perspective
2. Communal, psychosomatic Perspective
3. Decision Making Perspective
4. Self-employ
5. Communication amid Tax Authority along with Tax Payers.

Countries are suffering too much whose economic policies are not coordinated accordingly from the perspective of budget deficit and inflationary pressures. Governments by means of the intention on the road to be reelected are disinclined in diminishing the spending and thus possibly will be the reason for towering budget discrepancy which again goes in front to inflationary pressure; furthermore monetary authorities have a cruel posture on the discrepancy and price rises (Bartolomeo & Gioacchino, 2008).

Fiscal Plan

With respect to the statement of Down's about political revelry “originate guiding principles in order to triumph ballot vote, slightly succeed voting in order to devise policies” (Downs, 1957) rejection of those scholars was based on considerate of politics resting on two basic points of view:

enchantment by (Przeworski & Sprague, 1986), (Alesina, A, 1989), &(Alesina, A; Rosenthal, H, 1994) according to that prospects of new political parties incoming to plug any ideological crack left empty, the danger from refraining by supporters with burly penchant of ideology, and typical position engage in recreation by party people to keep the idealization of their nominee under control.



If the remaining settlement electoral from following interventionist economic plans that generate the circumstances of workers along with the poor, plus the benefits from organism sympathetic of market services, one can easily expect that these parties are trying to pursue differentiated economic policies, because at the same time that behavior will satisfy their policy preferences and objective of re-election.

And scholars are of the opinion that ideology in economic plan creation has only three grounds to refuse the affirmation of "Investors are policy makers nowadays". Welfare states census of the after war years; channels the battle of working group with the help of capital (Przewroski, 1986).

The research of (Alesina & Drazen, 1991) was about the conflict of grinding down model that how the resist of distribution among dissimilar influential groups create hindrances in espousal of competent balanced budget plan, they in addition concluded that more polarized the clusters are in the country. And then each group will be of the opinion to clutch longer as well as stabilization is postponed. The prediction of work was also been deep-rooted by lots of empirical researchers like; (Roubini & Sachs, 1989a), and (Grilli, Masciandaro, & Tabellini, 1991).

From 1999, European governments who participated only in one currency can use fiscal policy for betterment of economy. With this one tool those governments are accountable on behalf of reallocation of capital, stabilization of the economy, with income relocation. And the fiscal plan is accountable for expanding or shrinking the magnitude of public segment in the economy, meant for silky effects of economic recession, and implementation of economic policies (long-run) for the growth (Carlos, 2004). Those who believe that economic vacillations are from exogenous distress, on supply side through technological changes, and other thought that shocks in overall demand are the reasons of monetary policy, are opposing government interference in the economy (Carlos, 2004).

Due to number of implications debated on fiscal policy in general three factors can be arranged in the way:

1. Economic cycle plus un-employment rate
2. Altitude of prices in the light of monetary policy
3. Accumulated level of debt

1. This cycle concern with the budget lying on the revenue side along with expenditure. If economy is on the right track, firms are trying to increase their profitability, and also the revenue of public will increase with increasing tax revenue. In the result employment opportunities will be created, and governments are trying to reduce the subsidies for un-employment. According to (Von, Hallett, & Strauch, 2001) a big gap in output to enhance the fiscal adjustment, but decreases the consolidation organism protracted. If initial economic state of affairs concurs with elevated debt, the adjustment being the expenses based. It is of the at most importance that the effect of economic cycle deficit budget through stabilizers in the European countries, for the reason that they contain extremely developed system of welfare, along with tax revenue generated from direct taxes formed a big source of public revenue. But this situation is not everywhere, in less developed countries impact of economic cycle on households is no more an important issue affecting the public revenue, because these country's major resources are from society revenue, indirect levy, plus grants from different business. Under these types of situations the brunt of budget on economic sequence is not yet in use in to consideration amongst the cluster of imperative expounding variables of fiscal plans in those regions (Gupta, Clements, Baldacci, & Mulas-Granados, 2004).
2. While talking about economic development fiscal and monetary policy both are interrelated to each other. In an inflationary situation centralized banking authority need to launch tight monetary plan by mounting interest rates or valuing the local coinage in order to control the price. Beneath such conditions there is a confirmation of (Melitz, 1997) concluded that fiscal plan be liable to calm down when monetary plan is settled tight. This can serve many reasons to reimburse the consequence of contraction on the overall output by introducing a fiscal expansions, or because of tight monetary policy new public debts will be of more importance for private financiers, thus classified financing of community works become so easier for governments: because of this reparation among fiscal and monetary plan, some researchers are of the opinion that monetary slackening can persuade governments to trim down the budgetary deficit (Melitz, 1997), and (Wyplosz, 1999). Most of the research supports the idea (Hypothesis), that monetary plan during year t enhance the starting of financial consolidation in the time $t+1$ (Von, Hallett, & Strauch, 2001), and (Lambertini & Tavares, 2001).
3. The effects of economic shocks on the budget and arrears was first time modeled by Robert Barro in 1979, the theory of tax flattening of government's budget be able to recapitulate as; governments has some plans for expenditure that are to be compensated by distortion effects of those taxes, the conclusion of (Barro R. , 1979) is that the fiscal policy which decrease the distortion of tax is constant tax rate overtime. According to presumption tax rate should not change when provisional shocks transpire, except just when everlasting situation into economy vary.

When we are looking back to the literature of political economy of fiscal measures (CasaresRipol, 2002) and in this century the research of (Buchanan, 1960), &(Buchanan & Wagner, 1976), are trying to link the voters inability of understanding the admonition of fiscal measures with the tendency of government to depart from the best possible path received interest on political determinant of fiscal measures. The reason behind this idea is that; if the majority of the members have to pass the legislation on the budget, and many hands who needs to be satisfied for counting of their vote, than it is too much difficult to form a balanced budget, because majority of influential groups are of the opinion of a spending program (Weingast, Shepsle, & Johnson, 1981).



Methodology

Data was collected through secondary source of information from ministry of finance government of Pakistan from 2000-01 to 2009-10 then Pearson correlation and linear regression was applied to check the degree of association of variables by applying the diagnostic tests:

$$DE = \alpha + TC\beta + \mu$$

$$NDE = \alpha + TC\beta + \mu$$

TC = Tax Collection,

DE = Development Expenditure,

NDE = Non-Development Expenditure,

Results and Discussion

$$DE = \alpha + TC\beta + \mu$$

| | | Development Expenditure | Tax Collection |
|---------------------|-------------------------|-------------------------|----------------|
| Pearson Correlation | Development Expenditure | 1.000 | .956 |
| | Tax Collection | .956 | 1.000 |
| Sig. (1-tailed) | Development Expenditure | .. | .000 |
| | Tax Collection | .000 | .. |
| N | Development Expenditure | 10 | 10 |
| | Tax Collection | 10 | 10 |

According to above correlation table; shows highest correlation between Development Expenditure (Dependent Variable), and Tax Expenditure (Independent Variable), this is the positive sign to work it out about.

| Model | R | R Square | Adjusted R Square | Std. Error of Estimate | Change Statistics | | |
|-------|------|-------------|-------------------|------------------------|-------------------|--------|-------------|
| | | | | | R Square Change | F | Sig. F |
| 1 | .956 | .914 | .904 | 56570.259 | .914 | 85.401 | .000 |

According to the model summary table R-Square states that it is totally up to the researcher to perceive that higher the value of R-Square, greater the explanatory power of the regression equation, and the result of R-Square = .956 and significant at .000 level states that explanatory power of the regression equation about the variables in it: got "greater power".

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|----------------|-----------------------------|------------|---------------------------|--------------|-------------|
| | B | Std. Error | Beta | | |
| (Constant) | -87922.089 | 46336.868 | | -1.897 | .094 |
| Tax Collection | .477 | .052 | .956 | 9.241 | .000 |

While looking at table and results of beta in it researcher is of the opinion that TaxCollection is positively and with higher degree associated with Development expenditure and significant at the .000 level.

$$NDE = \alpha + TC\beta + \mu$$



| | | Non-Development Expenditure | Tax Collection |
|---------------------|-----------------------------|-----------------------------|----------------|
| Pearson Correlation | Non-Development Expenditure | 1.000 | .973 |
| | Tax Collection | .973 | 1.000 |
| Sig. (1-tailed) | Non-Development Expenditure | .. | .000 |
| | Tax Collection | .000 | .. |
| N | Non-Development Expenditure | 10 | 10 |
| | Tax Collection | 10 | 10 |

Again correlation is too much high between Non-Development Expenditure and Tax Collection while looking at the table and we can conclude that both variables are strongly correlated with each other and significant as well by using (1-tailed) method.

| Model | R | R Square | Adjusted R Square | Std. Error of Estimate | Change Statistics | | |
|-------|------|----------|-------------------|------------------------|-------------------|----------|---------------|
| | | | | | R Square Change | F Change | Sig. F Change |
| 1 | .973 | .947 | .940 | 148931.096 | .947 | 142.093 | .000 |

Results of model summary and R-Square in it states that: explanatory power of the regression is also high in using Non-Development Expenditure as a dependent variable and Tax Collection as independent variable which is also significant at .000 levels.

| Model | Unstandardized Coefficients | | Standardized Coefficients | | |
|----------------|-----------------------------|------------|---------------------------|--------|------|
| | B | Std. Error | Beta | t | Sig. |
| 1. (Constant) | -108254.669 | 121989.907 | | -.887 | .401 |
| Tax Collection | 1.618 | .136 | .973 | 11.920 | .000 |

Again we are looking at the value of beta and its significance level, which states that Tax Collection is positively related with Non-Development Expenditure, strength of relationship is too much high and significant at .000 levels.

Conclusion

Fiscal plans are formulated for allocation of amount on development as well as non-development expenditure for the economic growth which is purely depending on tax collection, how much amount of taxes collected by the government of Pakistan are properly applied on development and non-development activities; which states that if government of Pakistan is trying to expand the economy by investing in development activities they must have to clarify a uninterrupted tax base because of the results, if they are doing that which will be good sign for the development of economy more in coming future.

References

1. Alesina, A. (1989). Politics and Business Cycles in Industrial Democracies. *Economic Policy* 8 , 75-98.
2. Alesina, A., & Drazen, A. (1991). Why are Stabilizations Delayed? *American Economic Review*, 82(5) , 1179-1188.
3. Alesina, A; Rosenthal, H. (1994). *Partisan Politics, Divided Government and the Economy*. Cambridge, Massachussets: Cambridge University Press .
4. Barro, R. (1979). On the Determination of Public Debt. *Journal of Political Economy* 98(1) , 103-117.



5. Bartolomeo, D. G., & Gioacchino, D. D. (2008). Fiscal, Monetary Policy Coordination and Debt Management: A Two Stage Analysis. *Empirica* , 35 (4), 433-448.
6. Bernnan, G., & Buchanan, J. (1980). *The power to tax: Analytical foundations of a fiscal constitution* . New York: Cambridge University Press .
7. Bird, R. (1993). Threading the fiscl Labyrinth: Some issues in fiscal decentralization. *National Tax Journal* , 46(2), 207-227.
8. Buchanan, J. (1960). *Fiscal Theory and Political Economy*. Chapel Hill, North Calafornia: University of North California Press .
9. Buchanan, J., & Wagner, R. E. (1976). Revenue Structure, Fiscal Illusion, and Budgetary Choice. *Public Choice*, 25 , 45-61.
10. Carlos, M.-G. (2004). Economics or Politics? Theoretical Review of the Determinants of Fiscal Policy. *Journal of Economic Literature* , 15-34.
11. Casares-Ripol, J. (2002). *Temas de Politicia Economia*. Madrid: ESIC .
12. Diaz-Cayeros, A. (2006). *Federalism, Fiscal Authority, and Centralization in Latin America*. New York: Cambridge University Press .
13. Downs, A. (1957). *An Economic Theory of Democracy*. New York: Harper .
14. Grilli, V., Masciandaro, D., & Tabellini, G. (1991). Institutions and Policies: Political and Monetary Institutions and Public Financial Policies in the Industrial Countries. *Economic Policy*, 13 , 341-392.
15. Gupta, S., Clements, C., Baldacci, E., & Mulas-Granados, C. (2004). Expenditure Composition, Fiscal Policy and Growth in Low Income Countries. *Journal of International Money and Finance* .
16. Hettich, W., & Winer, S. (1999). *Democratic choice and taxation: A theoretical and emprical analysis*. Cambridge.
17. Kirchler, E. (2007). *The economic psychology of tax behaviour*. Cambridge: Cambridge university press .
18. Lambertini, L., & Tavares. (2001). Exchange Rates and Fiscal Adjustments: Evidence from the OECD and implications for EMU. *Boston College Working Paper*, 576 .
19. Lewis, S. W., & Leith, C. (2000). Interactions between Monetary and Fiscal Policy Rules. *The Economic Journal* , 110 (462), 93-108.
20. Martinez-Vazquez, C., McLure, & Vaillancourt. (2006). *Revenues and expenditures in the inter governmental frame work: prespectives on fiscal federalism*. Washington DC: WBI Learning resources series, world Bank.
21. McLure, CE. (1986). Tax competition: Is what's good for the private goose also good for the public gander? *National Tax Journal* , 39(3), 341-348.
22. Melitz, J. (1997). *The cost and Benefits of a Common Monetary Policy in France and Germany and Possible Lessons for Monetary Union*. Europaena University Institute, Working Paper 37 .
23. Musgrave. (1983). *Who should tax, where and what: tax assignment in federal countries*. Canberra: Center for research on federal financial relations, Australian national university.
24. Musgrave, R. A. (1959). *The Theory of Public Finance*. New York: McGraw-Hill .
25. North, D. (1981). *Structure and changes in economic history*. New York w.w.Norton , 21.
26. Oates, W. (1972). *Fiscal Federalism*. New York: Harcourt Brace Jovanovich .
27. Przeworski, A., & Sprague, J. (1986). *Paper Stones: A History on electoral Socialism*. Cambridge University Press .
28. Rao, M., & Chelliah, R. (1991). *Survey of Research on Fiscal Federalism*. New Delhi: National Institute of Public Finance and Policy .
29. Roubini, N., & Sachs, J. D. (1989a). *Fiscal Policy: Government Spending and Budget Deficits in the Industrial Countries*. *Economi Policy* 8 , 99-132.
30. Ter-Minassian, T. (1997a). Inter governmental fiscal relations in a macro economic prespective: An overview. In Ter-Mnassian, T (ed). *Fiscal Federalism in Theory and Practice* , 1-24.
31. Vehorn, C., & Ahmed, E. (1997). *Tax Administration, Fiscal federalism in theory and practice*. Washington DC: IMF.
32. Von, H., Hallett, A. H., & Strauch, R. (2001). *Budgetary Consolidation in EMU Economic Papers 148*. Burssele: European Commission .
33. Warren, N. (2006). *Bench marking Australia's Intergovernmental fiscal arrangement Final Report*. Retrieved from www.treasury.nsw.gov.au.
34. Weingast, B., Shepsle, K., & Johnson, C. (1981). The Political Economy of Benefits and Costs: A neoclassical approach to Redistributive Politics. *Journal of Political Economy* 89 , 642-664.



35. Wyplosz, C. (1999). EMU: Why and How it Might Happen. CEPR Discussion Paper.

Author's Biography .



"Completed my MBA from Shah Abdul Latif University Khairpur, Sindh Pakistan in Finance and appointed as lecturer there in september 2004 and completed my M. Phil in Finance from IQRA University Karachi in 2010 and promoted as Assistant Professor, now recently submitted my Ph.D thesis for foreign evaluation from Shah Abdul Latif University Khairpur in Public finance under the supervision of Dr. Syed Munir Ahmed Shah".



"Passed his MPA From Quaid e lazam University Islamabad Pakistan and appointed as lecturer in the department of Business Administration Shah Abdul Latif University Khairpur, completed his M. Phil from there and Promoted as Assistant Professor, than completed his Ph. D in HRM from IQRA University Karachi and again appointed as Associate professor in the department of Business Administration SALU Khairpur, Sindh Pakistan".

