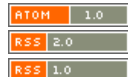


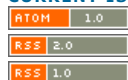


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Home > Archives > Vol 23, No 1 (2020)

Vol 23, No 1 (2020)

Table of Contents

Articles

[Psychological, Pedagogical and Methodological Basis of Formation of Conscious Reading in Primary School Students with Deficiencies in Intellectual Development](#) PDF
Xamraeva Iroda Sayfullaevna 01-05

[To Enhance the Professional and Personal Approach of Students Speech Therapists in Education](#) PDF
Yodgorova Nafisa Sadridinovna 06-08

[Use of Macros in VBA Programming Language in Power Point](#) PDF
Mirzaxmedova Nargiza Dilmurodovna 09-15

[Biogas Producing Bacteria from Termites](#) PDF
Nermeen G. Abo-Elilil, Hisham M. Elsheshtawy, Omar A. El-Shehaby, Yehia A. Osman 16-21

[Test of Hortonian Laws Using Bivariate Relationship with Basin Morphometric Data of Udi-Agwu Questa Enugu State Nigeria – Remote Sensing and GIS Approach](#) PDF
Ejemeyovwi Ochuko 22-41

[Improving Peak to Average Power Ratio of OFDM Signal Using DCT Precoding with Combined Distortion Techniques](#) PDF
Bonaventure Ekengwu, Nnaemeka Asiegbu, Chidiebere Muoghalu, Ifeoma Ezeanya 42-48

[A Review on the Sustainability of Sugarcane Bagasse Ash as a Supplementary Cementitious Material](#) PDF
Pritish Gupta Quedou 49-52

[Impact de la Covid-19 sur la Commercialisation de la Viande de Brousse : Perception des Commerçants de Brazzaville \(Congo\)](#) PDF
Gilles Freddy BAKOUETILA MIALOUNDAMA, Phons Louis MABOUNDOU NTOUMBOU, Roger Albert MBETE, Noël Staley MABIALA MATOUMONA, Harley Bittson BITSINDOU KOKOLO, Ségolène SCHERELL MISSENGUE, Carnolin TSIANGANA BITEMO 53-62

[Validity of Teaching Materials Based on Problem Based Learning Using Contextual Teaching and Learning Approach to Improve Critical Thinking](#) PDF
Yosa Aulya Putri, Yohandri Yohandri 63-70

[Validity of teaching materials based on the inquiry based learning model with the CTL approach to improve students' creative thinking skills](#) PDF
Mona Trisna Cahyati, Yohandri Yohandri 71-78

[Evaluation Participative de la Qualite des Ananas Produits avec Divers Types d'Engrais dans les Communes d'Allada et de Tori-Bossito](#) PDF
Gildas ZODOME, Arsène SALIFOU, Ibouaïma YABI 79-87

[Méthodes et pratiques en Education Relative à l'Environnement \(ERE\) à l'école primaire publique en Côte d'Ivoire : Une photographie des lieux](#) PDF
BRAFO Kouadio Koko, BROU Ahossi Nicolas 88-101

[The Effect of Risk Communication in Improving Farmers Independence in South Sumatera Province](#) PDF
Ali Alamsyah Kusumadinata, Sumardjo -, Dwi Sadono, Burhanuddin - 102-108

[Symbolique de la Pandémie chez le Rural et Résilience](#) PDF

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Indexing & Abstracting



Psychologique : Etude Exploratoire sur l'Epuisement des Populations en Situation de la Pandémie au Nord du Togo Simliwa Pitala Amaèti	109-119
Updates of Uterine Fibroid Management Maged Naser, Mohamed MN, Lamia H. Shehata	PDF 120-129
Mobilité Durable : Analyse des Enjeux et Risques Lies à la Dynamisation du Transport dans le Complexe Lagunaire (Lac Nokoue-Lagune de Porto-Novo) au Benin Michel Comlan SEDONOU, Alfred LICHEOU, Toussaint VIGNINO	PDF 130-138
Utilisation du Modèle GR4J pour la Simulation des Débits d'Etiage du Fleuve Mono (Bénin, Togo) à l'Exutoire d'Athiémé Coffi Justin NOUMON, Domiho Japhet KODJA, Naboua KOUHOUNDI, Sostelle HOUSSOU, Ernest AMOUSSOU, Luc O. SINTONDJI, Expédit VISSIN, Euloge K. AGBOSSOU	PDF 139-144
Toward the Implementation of an Integrated Scientific Instructional Model on the Development of Students' Moral Character Sri Saparahayuningsih, Badeni Badeni	PDF 145-151
Production Agricole dans la Commune de Ze : Facteurs et Contraintes HOUESSOU Akoèwanou Pierre, KISSIRA ABOUBAKAR, HOUNDI Pamphile, VIGNINO Toussaint	PDF 152-162
Diversité Floristique, Structure et Etat de la Flore des Forêts Galeries de la Zone de Confluence du Fleuve Ouémé et de la Rivière Okpara au Centre Bénin Loukmane MOUSSA, Tchaa Boukpepsi, Ismaïla Toko Imorou, Ibouaïma Yabi	PDF 163-176
Ambiances Bioclimatiques et Confort Touristique dans la Commune de So-Ava K.Olive ADISSODA, Ernest AMOUSSOU, W. Expédit VISSIN., N. P. Maximilien BOKO	PDF 177-185
Troubles Electrolytiques chez les Patients Atteints de Diabète Vivant à Bamako, Mali Soumaïla Konaté, Nouhoum Diarra, Togola Issiaka, Bakary Sacko	PDF 186-191
Indonesia's Role towards a Momentum of Cease-Fire in Afghanistan The Ulama Trilateral Meeting in Bogor Could Be the Foundation of the Negotiation for Intra Afghanistan Peace Arief Rachman	PDF 192-201
Analysis of the Needs of English Learning Models in Basic Schools Riskandi Riskandi, Hermawati Syarif, Nurhizrah Gistituati	PDF 202-206
Structural-Semantic, Communicative-Pragmatic Characteristics of the Hypotaxemes with if in English and its Uzbek Correspondences Mukhammadjon Abduvaliyev, Ahadjon Ataboyev, Abdulaziz Mattiyev	PDF 207-211
In vitro anti-plasmodial activity of crude extracts of Gardenia ternifolia, Pittosporum viridiflorum and Phytolaca dodecandra used for treatment of malaria in Kericho County, Kenya. Pacifica Chepchumba Bwogo	PDF 212-223
Kishor (Youth) Gang Culture: A Threat to the Erosion of Social Values Abdulla- Al-Mamun	PDF 224-229
Several Data of Infection in COVID-19 Patients during March-June 2020 at the First University Clinic of Tbilisi State Medical University, Georgia L. Ratiani, L. Gabunia, Sh. Khetsuriani, N. Gamkrelidze, E. Varazi	PDF 230-238
What it Means to Be a Monetarist Özlen Hiç	PDF 239-244
Negative Outcomes (Default, Loss to Follow-Up and Death) Among HIV-1 Mother-To-Child Infected Infants in the Gambia. What Are the Majors Associated Risk Factors? Musa Ceesay, Dr. Abdelkodosse Mohammed Hussien Abdulla, Mr Bakary Sanneh, Prof. Nani Nordin, Musa Ceesay	PDF 245-256
Recent Treatment Methods and their Efficacy for Corona Pandemic Situation Ayman Bin Mannan, Halima Habib	PDF 257-273
Influence of Problem Based Learning Model on the Students Critical Thinking Ability and Biology Competence of Senior High 3 Pariaman Ramadhan Sumarmin, Rani Basri	PDF 274-279
Analysis of the Implementation of Higher Order Thinking Skills and Literacy Of Junior High School Student Of Pekanbaru Sartika Tin Kartini, Ramadhan Sumarmin	PDF 280-283
Teaching Performance Assessment at Senior High School in Implementation of Teacher Competency Standards Tasrini Yenti, Ramadhan Sumarmin	PDF 284-289
An Overview of Spatio-Temporal Variability of Drought Intensity	PDF

RESEARCHERID

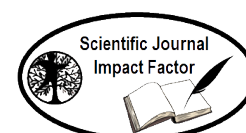


INDEX
COPERNICUS

PKP|INDEX



CiteFactor
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TOGETHER WE REACH THE GOAL



Partners

and its Implications on Agricultural Production in Yola And Environs of Adamawa State, Nigeria	290-299
Abubakar Sadiq Abdulqadir, Maryam Abdullahi	
Media Discourse of Roots Causes and Security Perspectives on Climate Change	PDF 300-310
Munadhil Abdul Muqith, Valerii Leonidovich Muzykant, Rizky Ridho Pratomo, Refly Setiawan	
Internalization of Soft Skill Values in Basic Training Activities for Prospective Civil Servants	PDF 311-315
Wan Nasir	
Implementation of School Based Management in Improving the Quality of Education	PDF 316-323
Esianna Esianna, Bukman Lian, Artanti Puspita Sari	
The Influence of School Principal Supervision and School Committee Participation on the Quality of Junior High School Education	PDF 324-333
Wini Dwi Pahlawanti, Edi Harapan, Dessy Wardiah	
Forces et Faiblesses en Matière de Redevabilité dans le Secteur de l'Eau dans les Communes d'Ifangni et de Sakété (Bénin)	PDF 334-341
Reine BANKOLE, Sidonie HEDIBLE, Bernadin ELEGBEDE MANOU, Japhet KODJA, Luc KOU MOLOU, Expédit VISSIN	
Implementation of Inspector Training System Certification Learning Based On E-Learning in Palembang Aviation Polytechnic	PDF 342-346
Virma Septiani, Direstu Amalia, Dwi Cahyono	
Functional Instructor Needs for Application of General Services Agency	PDF 347-352
Herlina Febiyanti, Sunda Ariana, Rabin Ibnu Zainal	
Teacher's Work Motivation of SMP Negeri 2 Banyuasin III	PDF 353-357
Ida Royani, Happy Fitria, Rohana Rohana	
Bio- Evaluation De La Qualité Des Eaux De Sources Par Les Protozoaires Intestinaux En Zone Equatoriale (Yaoundé, Cameroun)	PDF 358-368
Pierre TSOMENE NAMEKONG, Gideon AJEAGAH AGHAINDUM	
Optimisation du SIG et Analyse des Déterminants Socio-Economiques de la Production de l'Ananas dans le Département de l'Atlantique au Bénin	PDF 369-381
Marcel Mahounan KOUASSI, Éric Alain Mahugnon TCHIBOZO, Apollinaire Cyriaque AGBON	
A Study of Consumers' Perception in Relation to Green Products in North Macedonia	PDF 382-389
Hasim Deari, Selam Isejni, Rametulla Ferati	
Characterization and Differentiation of some Clinical Isolates from Urine	PDF 390-396
Magda Mohamed Awad, Amro Mohamed Mowafy, Yehia A. Osman	
Design Of High Gain Low Noise Amplifier At Base Station Receiver VOR Equipment For Ground Check Monitoring As Learning Media In Civil Aviation Academy	PDF 397-402
Feti Fatonah, Muh Wildan, Sabdo Purnomo, Asep Muhamad Soleh	
The Power of Language and Speech in Movement: Speech Effects and its Classifications	PDF 403-406
Kurbanov Elbek Elmurodovich	
Statut Social de la Femme Rurale Adja de Dogbo au Bénin	PDF 407-415
Abdoulaye BENON MONRA, Monique OUASSA KOUARO	
Prevalence of Urinary Schistosomiasis Among Primary School Pupils in Abuja Municipal Area Council Abuja, Nigeria	PDF 416-423
Okezie Gabriel Chidiebere, R.A.U. NWOBUR, Mgbowula Goodness Ifeoma	
An Assessment of Bank Customers' intention to use internet banking: The Role of Service Quality	PDF 424-434
Vincent Ikechukwu Eke, Hassan Barau Singhry	
What it means to be a New Classical Economist	PDF 435-439
Özlen Hiç Hiç	
Technoversal Leader: Triumphant Leader of the Technological Era	PDF 440-446
Hakan Kapucu	
Caracteristiques Structurales des Populations des Espèces Ligneuses Alimentaires de la Forêt Classée d'Atcherigbe (Commune de Djidja) au Bénin (Afrique de l'Ouest)	PDF 447-458



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Grégoire DJISSONON, Joseph Fanakpon DJEVI, Ibouaïma YABI

[Study of Elements Released from Various Cooking Utensil After Heating on Cooking Utensil of Aluminum, Stainless Steel, Titanium-coated Stainless Steel and Teflon and Their Potential Health Hazards](#) [PDF](#)
459-467

Manogari Sianturi, Fajar L. Gultom, Faradiba Faradiba, Patricya V. Heumasse, Faris Febriza

[The Cloud and Government Intervention within Cyberspace](#) [PDF](#)
468-472

Bogdan Nedelcu, Andreea Nedelcu, Alexandru Ioan Sgarciu

[Relative Kinetic Stability Study of Hydronium, Zundel, and Eigen Cations through Quantum Mechanical Molecular Orbitals Approach](#) [PDF](#)
473-486

Anant Babu Marahatta

[Updates in Neonatal Anemia and Thrombocytopenia: Causes, Risk Factors, and Management](#) [PDF](#)
487-494

Maged Naser, Mohamed MN, Lamia H. Shehata

[Investment Feasibility of Jackfruit Dodol Stirrer Machine for The Household Industry](#) [PDF](#)
495-499

Ida Bagus Alit, I Gede Bawa Susana

[The Relevance of Local Historical Events in Building National Identities: Identification in the History Learning Curriculum in Indonesia](#) [PDF](#)
500-504

Ridho Bayu Yefferson, Hendra Naldi, Erniwati Erniwati, Uun Lionar, Yelda Syafrina

What it Means to Be a Monetarist

Özlen Hiç

Istanbul University, Economics Faculty



Abstract – The pioneer of Monetarism is M.Friedman and other notable Monetarists are Karl Brunner, and his student, later colleague Allan Meltzer and other less known economists. But M.Friedman stands out. He was an early critique of Keynes and leaned towards traditional Classical and Neo-Classical macroeconomic system. In 1956, he had published his famous “Quantity Theory – A Restatement” in his studies in Quantity Theory of Money (Chicago). Later, in 1963 he published along with David Meiselman “The Relative Stability of Monetary Velocity and the Investment Multiplier in the US 1897-1958” in which study he showed that the classical velocity of money was a more stable parameter for the time studied compared to the Keynesian multiplier. This was a powerful attack on Keynes. Later, the New Keynesians, however, used the same data with different lags and proved the reverse, that is, the Keynesian Multiplier was more stable than monetary velocity of money. All throughout the '50s and '60s Friedman's voice was a minority because Keynes was very much in vogue both in academic circles and among practitioners, consultants and policy formulators.

Keywords – Monetarism, Monetarist Policies, Short Run Phillips Curves, Vertical Long Run Phillips Curve, Natural Rate of Unemployment, Adaptive Expectations

I. INTRODUCTION

The pioneer of Monetarism is M.Friedman and other notable monetarists are Karl Brunner, and his student, later colleague Allan Meltzer, and also other less known economists. But M. Friedman stands out. He was an early critique of Keynes and leaned towards Traditional Classical and Neo-Classical macro system. In 1956 he had published his famous “Quantity Theory – A Restatement” in his studies in Quantity Theory of Money (Chicago). Later, in 1963 he published along with David Meiselman “The Relative Stability of Monetary Velocity and the Investment Multiplier in the US 1897-1958” in which study he showed that the Classical Velocity of Money was a more stable parameter for the time studied compared to the Keynesian Multiplier. This was a powerful attack on Keynes. Later, New Keynesians, however, used the same data with different lags and others and proved the reverse, that is, the Keynesian Multiplier was

more stable than Monetary Velocity of Money. All throughout '50s and '60s Friedman's voice was a minority because Keynes was very much in vogue both in academic circles and among practitioners, consultants and policy formulators.

II. DEMAND FOR MONEY AND SUPPLY OF MONEY

M.Friedman offered a Demand for Money equation which was more general compared to Keynes but which, however Classical Theory as follows:

$$M^d = (r_B, r_E, r_D) \cdot P \cdot Y$$

M^d : Money Demand in nominal terms

r_B : interest rates on Bonds (Keynesian)

r_E : interest rates yielding for Equities

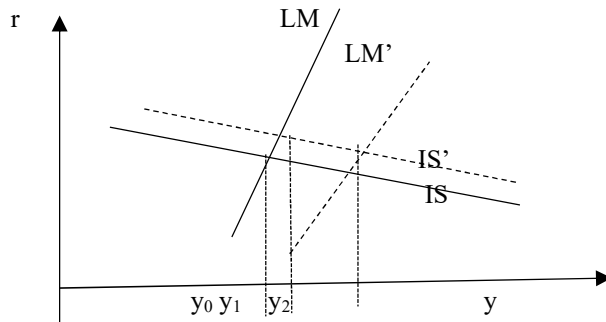
r_D : interest rates yielding for Durable Goods

Supply of Money (M) was given, determined by Monetary Authorities, hence an exogenous variable. So we have:

$$M = M^d = k(r_B, r_E, r_D) \cdot P \cdot y$$

And as a short cut and in a more strict Classical form we had:

$$P \cdot y = \frac{1}{k} \cdot M \quad (\text{as in the Cambridge Equation: } M = k \cdot P \cdot y)$$



IV. CHOSING THE RIGHT ECONOMIC POLICY

Under these conditions, obviously, as M. Friedman argued fiscal policy is not effective in raising the y and N while monetary policy is effective. However, that according to Friedman, this effectiveness is only for the Short Run (SR) and in the Long Run (LR) any increase in M_s would only result in an increase of the Prices (P) only as is the Traditional Classical Quantity Theory.

V. THE DRAWBACKS OF FISCAL POLICY

According to M.Friedman there are other reasons why fiscal policy has drawbacks. For example, if we raise government expenditures (g), then, as a result, the interest rate (r) would go up creating a crowding-out effect for private investments, if we decrease $t(y)$, on the other hand, then of this decrease in $t(y)$ is considered temporary, accordingly. The consumption analysis of M.Friedman which divides

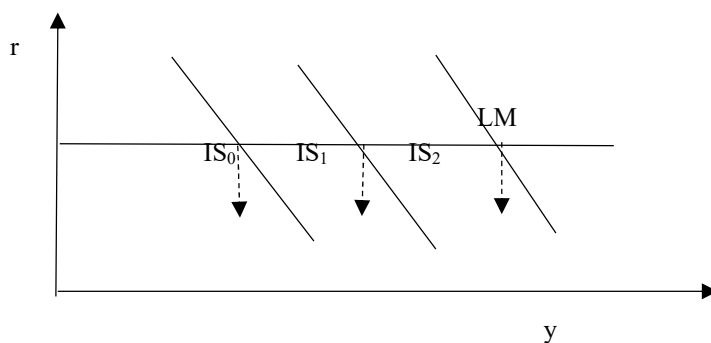
M.Friedman allowed M^d as a function of “ r ” as well as “ y ”, however, with the basic difference that the negative interest elasticity of Money Demand being smaller than 1, ($-ie_{M^d} < 1$).

III. IS-LM ANALYSIS FOR MONETARISTS

This gave us a rather steep LM curve while Friedman visualized an elastic IS curve as in diagram below.

income into “permanent income” and “transitory income” components and the decrease in $t(y)$ would have at any rate a very small effect on the consumption expenditures (c) even if it is deemed permanent. For an analysis of the overall behavior in the LR and SR of the consumption function and theories offered by Duesenberry, Friedman and Modigliani as opposed to the Keynesian “absolute income hypothesis” one refer to as an example, Branson, while a short explanation is given in Hiç.

In comparing his assumption of a steep LM curve as opposed to the Keynesian nearly horizontal LM curve with a high $-Le_r$, M.Friedman explains that M^s was increased by monetary authorities in order to keep the interest rate constant. This gave the mistaken conclusion that LM was horizontal, monetary policy, hence, was ineffective and fiscal policy was effective as in diagram below.



VI. THE BEST MONETARY POLICY

For Friedman, we should underline here the effectiveness of monetary policy, which is, raising y and N by increasing M_s which is valid only for the SR. This is explained by M.Friedman's analysis of SR vs LR Phillips Curve and the assumption of "adaptive expectations" on the part of workers with respect to future price rises. With this analysis, Friedman won the Nobel Prize. We shall analyze this along with Friedman's concept of "natural rate of unemployment" (nru) in detail, at a later stage, but this analysis leads to the conclusion that in the LR, an increase in the quantity of money would have no effect on y and N , it would only raise P while the economy will return to nru . Thus, in the LR, the Classical conclusion of Neutrality of Money holds true. M.Friedman, therefore, concludes that the best monetary policy would be the one, in which monetary authorities should raise M^s at a constant rate which is approximately equal to the yearly increase in the overall productivity of the economy. For he believes and shows that, in the past, business cycles arose mainly because of wrong monetary policies followed, such as, overblown monetary expansions followed by monetary contractions. The policy recommendation is again similar to the Traditional Classical School, so is the explanation of the "business cycles" based on erratic M_s policies followed by monetary authorities (e.g. A. Marshall, Hawtrey). The policy formulation of a constant increase in Money Supply in the litmus test for monetarists as opposed to some of the more modern times Keynesians who rely mainly on monetary policy and not fiscal policy.

VII. THE EFFECTIVENESS OF MONETARY VS FISCAL POLICIES FOR MONETARISTS

A broad, perspective offered with the aid of LM and IS has lead us to the conclusion that due to different elasticity of the LM curve, monetary policy was ineffective and fiscal policy was effective during the depression periods (i.e., low income ranges). While monetary policy was effective and fiscal policy was ineffective in the high income ranges which means that a broader Keynesian policy interpretation should as follows. In order to fight depression we should of course use fiscal policy as recharged by Keynes. But if a recession occurs during a period of high income level then the proper or effective policy is monetary policy and not fiscal policy. This is mostly the present situation in the developed economies. To fight inflation, on the other hand, in theory, both fiscal policy and monetary policy could be effective. But for practical and political reasons monetary policy is used instead of fiscal policy. There are several reasons for it. First of all, fiscal policy has to pass through the parliament, which

takes time and the final policy recommendation coming out from political organs could end up being distorted as well. Furthermore, if we start with a low $t(y)$, then it becomes politically very difficult to raise it. Raising or lowering "g" on the other hand, would also bring about lots of political discussions on what project and what region this increase would go. Therefore, the general tendency today, even for Keynesians, is to use monetary policy and not fiscal policy. But, it should be remembered the litmus test Keynesians advocate that M_s should be increased whenever we meet with recession and it should be decreased, that is, the rate of increase of M_s should be decreased if we have inflationary tendencies in the economy. In contrast, Monetarists (Friedman) advocated a constant increase in M_s whatever prevailing economic conditions with the belief that this is the best way to stabilize the economy, that is, to prevent business cycles and stimulate growth with price stability over the LR.

In analyzing fiscal policy and reaching the conclusion that it is ineffective, Friedman underlines that we should not take the case of increasing "g" along with a budgetary deficit which is financed by increase in M_s because this would be a combination of fiscal and monetary policy and in the SR, of course, monetary policy would be effective giving the wrong impression that increasing "g" is effective. Therefore, according to Friedman, the effectiveness of fiscal policies can be studied only when the increase of "g" and budgetary deficit is financed not by any increase in money stock but by selling government bonds

VIII. CONCLUSION

To recapitulate the above, the main characteristics monetary propositions can be summarized as below.

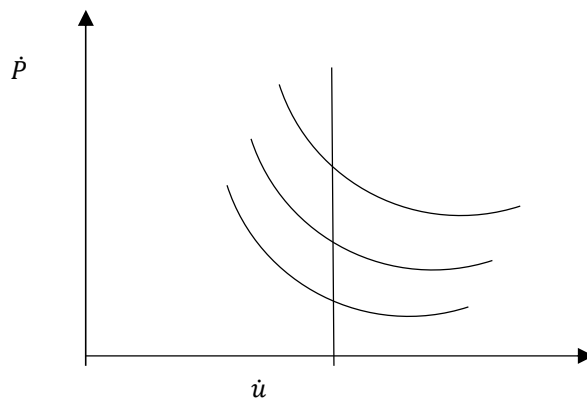
- 1- The Supply of Money is the dominant influence on nominal income.
 - 2- In the LR, the influence of Money is primarily on the Price level and other nominal magnitudes. In the LR, real variables, such as real output and employment, are determined by real, not by monetary factors.
 - 3- In the SR, the Supply of Money does influence real variables. Money is the dominant factor causing cyclical movements in output and employment.
 - 4- The private sector of the economy is inherently stable. Instability in the economy is primarily the result of government policies.
- From these four propositions we will see that there follow two policy conclusions.
- I- Stability in the growth of the Money Stock is crucial for stability in the economy. The Monetarists believe that such stability is best achieved by adopting a rule for the

growth rate in the Money Stock. M.Friedman has long proposed a constant Money growth-rate rule. Other Monetarist favor less inflexible rules, but Monetarists generally favor rules rather than the discretion of policy makers for determining Money growth.

II- Fiscal policy, by itself, has little-systematic effect on either real or nominal income. Fiscal policy is not an effective stabilization tool.

Appendix

“NRU”, LR and SR “Phillips Curve” and “Adaptive Expectations”:

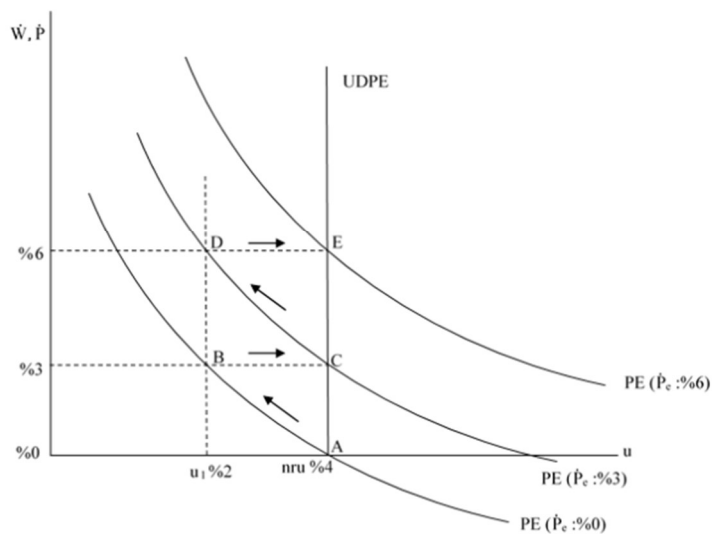


This inspired M.Friedman to make a distinction of a vertical P.C. with several SR negatively sloped P.C.'s. To this Friedman added two more novel concepts. One is the “nru”, and M.Friedman hypothesized that the LRPC would be vertical at nru. Theoretically, Friedman explains nru as that level or rate of unemployment at which prices would be stable and any deviation and attempt to decrease unemployment below nru would give rise to increase in prices. The negatively sloped SRPC's on the other hand, is explained by M.Friedman with his concept of “adaptive expectations”. According to M.Friedman, workers would tend to make mistaken price predictions, that is, price expectations just as Keynes had assumed. But according to M.Friedman, this is only for the SR. In the LR, the workers would correct their price expectations and hence SRPC will shift upwards,

During the 70's most of the western economies was thrown into a tumult mainly because of the effects of price rises the ensuing stagflation, which is, cost inflation along with a decrease in y and N which was also accompanied by serious budget of payment (BOP) problems as well. Thus for the year '70s, the data failed to give a regular negatively shaped Phillips Curve. Instead we had a vertical line over the LR with also shorter period negative curves. Schematically it is given as below:

because workers will raise their nominal wage to catch up with the increase in the price level. Thus the economy would go back to the nru again except that we should now have a higher price level prevailing. This is the basic reason why the effectiveness of monetary policy in raising y and N , i.e., in reducing unemployment, is only valid for the SR, but in the LR, the Classical Quantity Theory result will prevail, we will be back on the nru with the increase in M_s increasing only the nominal variables with no effect on the real variables.

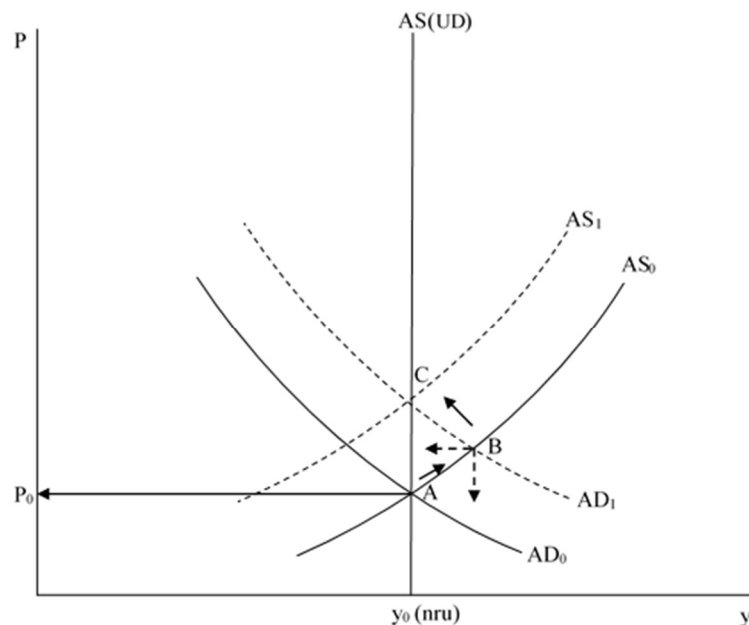
This analysis is depicted in the diagram below. Under the simplifying assumption that we have no productivity increases in the economy over time so that any increase in the nominal level is equal to an increase in the price level.



In this analysis by M.Friedman, it should be noticed that instead of the Classical and Neo-Classical full-employment equilibrium point, we have the concept nru to which the economy will automatically return in the LR. But nru creates both theoretical and empirical problems. The theoretical problem is that as Solow pointed out it is a very vague concept because the definition is that it is that point which, if we want to leave and raise y and N , we should meet with an increase in costs and prices. So it is a very vague general

condition. The empirical problem with nru is that when a change occurs in the unemployment rate of an economy, it is impossible to pin point it as a temporary or SR change in unemployment or else as a permanent shift of the nru.

The above analysis by Friedman with the aid of LR and SR, PC's is offered below with the aid of AD and AS curves to accompany the above analysis – as diagram below.



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