

# CURRICULUM VITAE



**Dr. Tarek SADRAOUI (M.A., Ph.D.)**

Department of economics and Quantitatives Methods –  
University of Monastir, Faculty of economics and management of Mahdia Tunisia.

## Personal Details

**Marital Status:** Married with three children

**Nationality:** Tunisian

**Email address:** tarek.sadraoui@gmail.com

**Current function:** Professor in Quantitative Methods with Faculty of economics and management of Mahdia Tunisia).

**Editor in chief:** International Journal of econometrics and financial Management

**Web page:** <http://www.publicationlists.org/tarek.sadraoui>

**h-index :** 8

**i10-index :** 7

**Score Scopus :** 7

## Education

**2014 HDR. Quantitative Methods:** Faculty of economics and management of Sfax, Tunisia.

**2009 Ph.D. (Economics):** Faculty of economics and management of Sfax, Tunisia. Title of thesis: R&D cooperation and economic growth: theoretical fundament and dynamic panel data identification.

**2003 M.A. in Economics:** Faculty of economics and management of Sfax, Tunisia. Title of thesis: complementarities or substitutability between public and private investment in R&D.

**2000 Bachelor in Quantitative Methods** Faculty of economics and management of Sfax, Tunisia.

## Practical experiences

**Now : Member of the national jury for recruitment and promotion of assistant teachers in quantitative methods**

**2015 to now:** Professor in Quantitative method in Faculty of economics and management of Mahdia.

**2015 to now:** Director of Economics and Quantitative Methods Department at Faculty of economics and management of Mahdia.

**2011 to 2015:** Vice director and director of studies and stage at Higher Institute of Business Administration.

**2011 to 2014:** Associate Professor in economics and Quantitative Methods at Higher Institute of business Administration of Gafsa.

**2003 to 2011:** Assistant Professor in economics and Quantitative Methods at Higher Institute of Industrial Management.

**2012 to 2019:** Invited Professor at Higher Institute of management of Gabes and National School of engineer of Sfax

## Professional courses

- **Referee and member of office of drafting:** Reviewer of the Journal of Economics and International Finance (JEIF). ([www.academicjournals.org/JEIF](http://www.academicjournals.org/JEIF)).
- **Referee and member of office of drafting:** Reviewer of the International Journal of Innovation and Technology Management. <http://www.worldscinet.com/ijitm/mkt/editorial.shtml>).
- **Pedagogue and trainer: Ensured the formation:** Six Sigma application in higher education made in Tozeur it 11 April 2010 animation in 09-10-11-2010.
- **Organization Member and Participation** in the fourth Days of Industrial Engineering: « Quality Dynamics of Higher education » organized by the Higher Institute of Industrial Management of Sfax, May 14, Sfax, 2008.
- **Organization Member and Participation** in the sixth Days of Industrial Engineering (JÈ' 10) and fifth Days of International Meeting of Management of Quality (RIMAQ'10): "Innovation-Quality Which Synergy?" organized by the Higher Institute of Industrial Management of Sfax, 14 May, Sfax, 2010.
- **May 2012: Global Studies Certificate of Proficiency** in English from the Business Development, partnerships and global ETS.
- **December 2012:** Certificate configured in teaching remotely from Agence Universitaire de la francophonie
- **Researcher in the laboratory** of modeling and optimization of decision-making and industrial systems and logistics, Faculty of Economic Sciences and Management of Sfax.
- **Editor in chief** of International Journal of Econometrics and Financial Management.
- **Editorial Board Member**, International Journal of Business and Economics Research (IJBER).
- **Reviewer at** Journal of Peace, Gender and Development studies (JPGDS).
- **Reviewer at** African Journal of Business Management, Journal of Behavioral Finance.
- **Reviewer at** American Journal of Applied Mathematics and Statistics.
- **Reviewer at** International Journal of Managing Value and Supply Chains (IJMVSC).
- **Editorial Board Member**, International Journal of Advanced Research In Business and Management.
- **Reviewer and Editorial Board Member**, International Journal of Network Security & Its Applications (IJNSA).
- **Reviewer at** Turkish Journal of Analysis and Number Theory.
- **Reviewer at** American Journal of Applied Mathematics and Statistics.
- **Guest Editor and Reviewer** at International Journal of Economics, Finance and Management Sciences (IJEFM)
- **Committee members :** ICEMSS2015 Organizing Committee 2015 International Conference on Economics, Management and Social Sciences (ICEMSS2015)

## Training of trainers

- The use of the 6 Sigma methodologies in the measurement, evaluation and development of university performance in Tozeur. 2011.

- Econometrics of panel data applied on Eviews and WinRats to ISG Gabes. 2015.
- Econometrics of qualitative variables and time series econometrics on WinRats and Eviews at ISG Gabes. 2015
- Training courses given to the engineers of the phosphate company of Gafsa "Optimize the management of stocks of spare parts" 2015.
- Training course given to the engineers of the phosphate company of Gafsa "Quality Management System" 2015.

## Teaching activities

- **Teaching many courses in the bachelor's, master's and doctoral degrees include:**
- Choice qualitative econometrics, Statistics I and II, Applied statistics, Applied Mathematics, Financial Mathematics, Statistics mathematics, panel data econometrics, Statistical control quality, time series, econometrics, statistical techniques for decision, data analysis, Econometric techniques and prediction, Data Analysis, Evaluate projects, Intelligence Economic, General equilibrium model, International economics, Macro-economics, Portfolio Management, Operational Research, Numerical Implementation, Micro-economics, Economic theory, International economics, Statistical control process, Quality Management.
- **Supervision of master's and doctoral degree.**

## Administrative tasks

- Chairman of the Master research in Faculty of Economic Sciences and management of Mahdia: - Research Master International Finance and research Master of Quantitative Finance.
- President of professional master's committee and research Master at Higher Institute of business administration of institutions:
- Vice director and director of studies in higher institute of business administration 2012/2015.
- Member of scientific council in Faculty of Economic Sciences and management of Mahdia 2017/2020.

## Conference Papers and Publication

1	<b>Tarek, SADRAOUI</b> , Naceur, BEN. ZINA. (2009) 'A Dynamic Panel Data analysis for R&D cooperation and economic growth', International Journal of Foresight and Innovation Policy, Vol. 5, Nos. 4, pp.218–233.
2	<b>Tarek SADRAOUI</b> , Afef, AYADI. and Fayza, JALLOULI. (2010) 'Six Sigma: a new practice for reducing water consumption within Coca Cola industry', Int. J. Six Sigma and Competitive Advantage, Vol. 6, Nos. 1/2, pp.53–76.
3	<b>Tarek SADRAOUI</b> . and Ahmed, GHORBEL. (2011) 'Design process improvement through DMAIC Sigma approach: A wood consumption case study, International Journal of Productivity and Quality Management Vol. 7: Nos. 2. pp. 229–262.
4	<b>Tarek SADRAOUI</b> . And Chafik Kammoun. (2012) 'Six Sigma methodology applications within Aluminum Company', International Journal of Productivity and Quality Management, Vol 9: Nos.2. pp. 217-244
5	<b>Tarek SADRAOUI</b> , Adnen CHOCKRI. (2010). 'A dynamic panel data analysis for relationship between private and public investment in R&D', Journal of Economics and International Finance, Vol 2: (11). 278-289.

6	<b>Tarek SADRAOUI. (2011)</b> 'A cointegration panel data analysis for international R&D spillovers and R&D cooperation: case study for Mediterranean countries' <i>International Journal of Knowledge and Learning</i> 2011 - Vol. 7, No.3/4 pp. 179 - 196.
7	<b>Tarek SADRAOUI</b> and Naceur Ben-Zina: <b>(2007)</b> , "R&D Cooperation and economic growth: A dynamic panel data analysis" MPRA Paper No. 3415, Online at <a href="http://mpra.ub.uni-muenchen.de/3415/">http://mpra.ub.uni-muenchen.de/3415/</a> .
8	<b>Tarek SADRAOUI</b> and Naceur BEN ZINA: <b>(2006)</b> , "Complementarities or substitutability between private and public investment in R&D: An empirical study" MPRA Paper No. 3929, Online at <a href="http://mpra.ub.uni-muenchen.de/3929/">http://mpra.ub.uni-muenchen.de/3929/</a> .
9	<b>Tarek SADRAOUI</b> et Hafedh ALIMI : <b>(2005)</b> , « Etude d'impact des micros crédits sur le secteur d'Artisanat : Une approche qualitative appliquée a la région de Gafsa. » <b>ONU- PDHL Working paper.</b>
10	Salma JAYACH, <b>Tarek SADRAOUI</b> and Naceur BEN ZINA. <b>(2010)</b> , Contagion in the stock markets: the 2007 subprime financial crisis', <i>International Journal of Managerial and Financial Accounting</i> 2011 - Vol. 3, No. 2 pp. 170 - 187.
11	MILI, Khaled, and <b>Tarek SADRAOUI</b> . "Optimizing the Operational Process at Container Terminal." <i>International Journal of Econometrics and Financial Management</i> 3.2 (2015): 91-98.
12	<b>Tarek Sadraoui</b> , Bechir Deghachi, Rahma Ben Aissa. A New Cointegration Econometric Analysis for Contagious and Volatility Spillovers of Subprime Crisis Effects. <i>International Journal of Econometrics and Financial Management</i> . Vol. 4, No. 2, 2016, pp 29-38. <a href="http://pubs.sciepub.com/ijefm/4/2/1">http://pubs.sciepub.com/ijefm/4/2/1</a>
13	Wajdi Bardi, <b>Tarek Sadraoui</b> , Anouar Bardi. A Dynamic Panel Data Analysis for Relationship between Structural Policy and Economic Growth. <i>International Journal of Econometrics and Financial Management</i> . Vol. 4, No. 1, 2016, pp 1-10. <a href="http://pubs.sciepub.com/ijefm/4/1/1">http://pubs.sciepub.com/ijefm/4/1/1</a>
14	M Khaled, T SADRAOUI (2015), Optimizing the Operational Process at Container Terminal <i>International Journal of Econometrics and Financial Management</i> 3 (2), 91-98.
15	M Khaled, T SADRAOUI (2014), Six Sigma Approach for the Straddle Carrier Routing Problem <i>International Journal of Econometrics and Financial Management</i> 2 (1), 34-47.
16	TB Ali, T Sadraoui, External Debt and Financing of Economic Development: Evidence from North African Countries <i>Journal of North African Research in Business</i> 2013, a1-20.
17	T Sadraoui, N Mchirgui (2014), Supply chain management optimization within information system development <i>Int J Econ Financ Manag</i> 2 (2), 59-71.
18	T Sadraoui (2011 ), A cointegration panel data analysis for international R&D spillovers and R&D cooperation: case study for Mediterranean countries, <i>International Journal of Knowledge and Learning</i> 7 (3-4), 179-196.
19	T Sadraoui, B Deghachi, RB Aissa (2016) A New Cointegration Econometric Analysis for Contagious and Volatility Spillovers of Subprime Crisis Effects, <i>International Journal of Econometrics and Financial Management</i> 4 (2), 29-38.
20	W Bardi, T Sadraoui, A Bardi (2016), A Dynamic Panel Data Analysis for Relationship between Structural Policy and Economic Growth, <i>International Journal of Econometrics and Financial Management</i> 4 (1), 1-10.
21	T Sadraoui, J Fayza (2014), Efficacité de la Méthodologie Six Sigma dans la Gestion de la Chaîne Logistique, <i>International Journal of Econometrics and Financial Management</i> 2 (6), 220-235.
22	Tarek Sadraoui, Hanen Hleli. A Dynamic Panel Data Analysis for Islamic Finance and Economic Growth. <i>International Journal of Economics, Finance and Management Sciences</i> . Special Issue: Islamic Finance System and Economic Growth: Theory and Empirical Studies. Vol. 3, No. 5-2, 2015, pp.1-6. doi: 10.11648/j.ijefm.s.2015030502.11.
23	<b>T Sadraoui</b> , J Fayza (2014), Efficacité de la Méthodologie Six Sigma dans la Gestion de la Chaîne Logistique, <i>International Journal of Econometrics and Financial Management</i> 2 (6), 220-235.
24	<b>T Sadraoui</b> , B Deghachi, RB Aissa (2016) A New Cointegration Econometric Analysis for Contagious and Volatility Spillovers of Subprime Crisis Effects, <i>International Journal of Econometrics and Financial Management</i> 4 (2), 29-38.

25	W Bardi, <b>T Sadraoui</b> , A Bardi (2016), A Dynamic Panel Data Analysis for Relationship between Structural Policy and Economic Growth, International Journal of Econometrics and Financial Management 4 (1), 1-10.
26	<b>T Sadraoui</b> , J Fayza (2014), Efficacité de la Méthodologie Six Sigma dans la Gestion de la Chaîne Logistique, International Journal of Econometrics and Financial Management 2 (6), 220-235.
27	<b>Tarek Sadraoui</b> , Hanen Hleli. A Dynamic Panel Data Analysis for Islamic Finance and Economic Growth. International Journal of Economics, Finance and Management Sciences. Special Issue: Islamic Finance System and Economic Growth: Theory and Empirical Studies. Vol. 3, No. 5-2, 2015, pp.1-6. doi: 10.11648/j.ijefm.s.2015030502.1.
28	Arafet Hamida , and <b>Tarek Sadraoui</b> , (2018) “The Effects of Currency Crises on Economic Growth : A Dynamic Panel Data Analysis .” International Journal of Econometrics and Financial Management , vol . 6, no. 1 (2018): 1-6. doi:10.12691/ijefm-6-1-1.
29	Bouaziz Nacer, Djenina Amor, Djellaba Ali and <b>Sadraoui Tarek</b> . (2018) “ IFRS in the U.S. Business Environment - Vision for the Future”. International Journal of Econometrics and Financial Management. 2018; 6(1):17-21. doi: 10.12691/ijefm-6-1-3
30	Kais Ncibi, <b>Tarek Sadraoui</b> , Mili Faycel and Amor Djenina. (2017) A Multilayer Perceptron Artificial Neural Networks Based a Preprocessing and Hybrid Optimization Task for Data Mining and Classification. International Journal of Econometrics and Financial Management. 2017; 5(1):12-21. doi: 10.12691/ijefm-5-1-3/

## Books

1	<b>Tarek SADRAOUI</b> , Ahmed Ghorbel, Wafik Hachicha (2012) "La Gestion Statistique de la Qualité : Principes fondamentaux et Applications pratiques" pp, 375 Unibook Organisation isbn:2000 2011-03-05T21:19:26Z.
2	<b>Tarek SADRAOUI</b> , Makrem Krit, Abdelwahab Rebai (2012) "Design process improvement through six sigma approach : a sample of case studies" LAP LAMBERT Academic Publishing, ISBN: 978-3-659-28719-0, pp 160.
3	<b>Tarek SADRAOUI</b> , Makrem Krit, Abdelwahab Rebai (2012) "Dynamic panel data analysis for R&D cooperation and growth: theory and practice" LAP LAMBERT Academic Publishing, ISBN: 978-3-659-18650-9, pp 160.
4	<b>Tarek SADRAOUI</b> , (2013) "Coopération en R&D et croissance économique fondements théoriques et identification des liens à l'aide des données de panel" OMN.PRES.FRANC., ISBN: 978-3841625687, pp 320..
5	<b>Encyclopaedia of Econometrics: Theory and Applications</b> (3 Volumes) ISBN No.: 9781785694646 Graciela Chichilnisky, Tarek Sadraoui, Nalan BaSturk , et al.Publisher: Koros Press Hardcover Publisher: Koros Press Limited (1 April 2017)ISBN-10: 1785694642 ISBN-13: 978-1785694646 Average Customer Review:

## Conference papers

1	Economix UMR 7166 CNRS Université de Paris X Nanterre et URDEE 99/UR/0-10 FSEG Sfax. Projet de recherche CMCU code 03/ G 06-01, « Dynamique économique et instabilité : Théories contemporaines et applications » 08 Décembre 2006. Coopération en R&D et croissance économique : une analyse par les données de panel dynamique.
2	The 2008 International Conference of Computational Statistics and Data Engineering. The world Congress on Engineering 2008 London, United Kingdom 2-4 Juillet 2008. Paper number ICCSDE_8 "A dynamic panel data analysis for R&D cooperation and economic growth".
3	The 2009 International Conference of Computational Statistics and Data Engineering. The world Congress on Engineering 2009 London, United Kingdom 1-3 Juillet 2009.
4	9th Annual Conference, 3th – 6th June 2010, Athens, Greece Theme: "Global Imbalances, Financial Institutions, and Reforms in the Post-Crisis Era" Friday 4 June 2010 · 10.45 – 13.15   Parallel Sessions

	2 Room C Corporate Finance Chair: Theodoros Papadogonas : Tarek SADRAOUI & Adnen Chockri "Corporate governance and technological development: A Panel Data Analysis".
5	The 18th annual Conference on Pacific Basin Finance, Economics, Accounting and Management Graduate University of Chinese Academy of Sciences Beijing, China July 23-25, 2010 Tarek SADRAOUI & Adnen Chockri "Complementarities between private and public investment in R&D: A Dynamic Panel Data analysis".
6	2nd International Conference "The Economies of Balkan and Eastern Europe Countries in the Changed world ", May 7-9, 2010, Kavala, Greece Session III: Cooperorate Governance, Banking Chairmen: Tarek SADRAOUI & Chockri Adnen, "Corporate governance and technological development: A Panel Data Analysis".
7	3rd International Conference Rimini Conference in Economics and Finance RCEF The Canadian Economy's 15 Golden years in the Global Context Rimini, June 10th - 13th, 2010 Room A1 Institutions, Technology and Preferences (S52) "Corporate Governance and Technological Development: A panel data analysis" Tarek SADRAOUI (University of Economics and Management-URDEE) and Adnen Chokri (University of Economics and Management-LEFA, IHEC).
8	Crise économique et financière et ses conséquences dans les pays au Sud et à l'Est de l'Union Européenne 12ème Rencontres Euro Méditerranéennes Sousse, Tunisia <a href="http://www.uc.rnu.tn/conference/Parallèle_12">http://www.uc.rnu.tn/conference/Parallèle 12</a> : contagion, taux de change et crise Président: Monsieur Rafik BACCOUCHE (FSEG Tunis) Salma JAYECH, Tarek SADRAOUI et Naceur BEN ZINA, « Contagion effects of the US Subprime Crisis on Developed and Emerging Countries ».

### Supervision of doctoral degree (Tunisian and foreign student)

- دور الحوكمة في استدامة منظمات الأعمال الجزائرية والتونسية: مساهمة تجريبية  
Le rôle de la gouvernance dans la pérennité des entreprises Algériennes et Tunisiennes:  
Une contribution empirique. **Merouane DAOUDI**
- الإفصاح المحاسبي البيئي كآلية لتفعيل المسؤولية الاجتماعية في المؤسسات الصناعية - دراسة مقارنة (الجزائر-تونس)  
**Bella Baci FARES.**
- Contribution à la modélisation de l'impact de l'innovation financière sur la croissance économique. **Fatma MACHIT**
- Jop creation through innovation and sustainable development: The moderating effect of the entrepreneurship activity. **Bochra JELLALI**
- Contribution à la modélisation de l'impact des déterminants de la volatilité des prix de pétrole sur la croissance économique. **Ayadi NAIIM**
- Modélisation de la dépendance et la gestion des risques des marchés boursiers et croissance économique: Approches par les copules dynamiques. **Sabrina ABDELGHANI**
- Croissance économique et émission du CO2: Évidence selon le processus M GARCH.  
**Yousra BEKIR**
- Optimisation de la chaîne logistique au sein de la poste tunisienne. **Ines MOUSSA**
- Les effets des mesures non tarifaires sur les échanges commerciaux ; étude théorique et empirique. **Takwa JEMAA**
- Stabilité, efficience et performance des banques islamiques et conventionnelles : contribution à la modélisation économétrique. **Monjia BELGOULA**

- Six Sigma processus d'optimisation et la conception de produits et services. **Jallouli FAYZA**

### **Supervision of Master degree**

- Crise Financière et Contagion du marché Boursier : Une Analyse empirique par les modèles DCC-GARCH. **Wael Fradj**
- Crise contagion et Volatilité entre les Marchés Boursiers : Une application par les modèles GARCH. **Houcem Ben Salem**
- L'impact de l'innovation financière sur la performance financière des banques cotées en BVMT. **Mchit Fatma**
- Analyse de l'ampleur du désalignement des taux de change réels et fluctuation dans les pays en développement? **Manel abdelhak**
- L'impact du développement des marchés boursiers sur la consommation énergétique : une analyse empirique. **Sana Slimani**
- Prix du pétrole, risque pays et performance bancaire : une analyse par les données de panel. **Henda Omri**
- A dynamic panel data analysis for relationship between energy consumption, economic growth and financial development: a new look. **Imen Ben Sadok**
- Bit-coin et alt-coin : Fondements théoriques et identification des liens à l'aide des données de panel. **Ahlem Nasr Othman**
- Risque de change et rendement boursiers : dépendance et retombés à la baisse avec les Copule stochastiques. **Marwa Mansouri**
- Impact des chocs financiers sur le marché boursier : un essai de validation empirique. **Amani Yahya**
- Marché financier et terrorisme : Fondements et identification des liens à l'aide des données de Panel. **Noura Mahwechi**
- Contribution à la modélisation de la crise Sub-prime et contagion des marchés financiers. **Marwa Chaira**
- Amélioration de la détection automatique de la parole. **Rachida Mnasri**
- Application de l'analyse AMDEC au sein de la CPG. **Hafsia Rbih**
- Etude de la performance de l'entreprise. **Mouna Souilah**
- Gestion des conflits Cas de la société Tunisie Télécom. **Wajih Brahmi**
- Le management par les compétences ; un outil d'amélioration de la qualité totale. **Yassine Ali**
- Gestion des risques de crédit bancaire dans le BNA. **Elarbi Faouzia**
- L'impact de perturbation sociale sur la structure d'activité de la CPG. **Amar Amar**
- Crise financière contemporaine et phénomène des contagions : Cas de Subprime Modélisation économétrique. **Nejmaoui Rjeb**
- Transmission international des fluctuations : Modèle de tendance commune en donné de panel. **Elghoul Rabeb**
- Les déterminants de risque de crédit pour les banques islamiques fondements théoriques et validation empirique dans la région MENA. **Radhouan Hamed**
- Impact de la démocratie sur la croissance économique : Cas de la tunisie. **Jalleli Bochra**
- Commerce extérieur de et croissance économique : Modèle Mundell-Fleming au cas tunisie. **Mabrouki Mouna**
- Optimisation de la chaine logistique et systèmes d'information : contribution des systèmes d'information dans la performance de la SCM.

- L'efficacité technique des conteneurs : analyse empirique des effets sur le coût de transport maritime.
- Six Sigma : une nouvelle méthode statistique pour l'amélioration et l'évaluation de la performance de la qualité.
- La Finance islamique et l'innovation dans les Technologie de l'information et de la communication TIC : Une analyse empirique
- Finance islamique et croissance économique : fondements théoriques et identification des liens.
- Optimisation de la chaine logistique par la maîtrise de la traçabilité.
- Efficacité de la méthodologie Six Sigma dans la gestion de la chaine logistique.
- La Finance islamique et l'innovation dans les Technologie de l'information et de la communication TIC : Une analyse empirique
- Croissance économique et crise financière : faits théoriques et identification des liens empiriques

### **List of graduation projects supervised**

- Projet SIX Sigma Réduction et optimisation de consommation d'eau: cas de l'entreprise Coca Cola
- Choix de plans d'échantillonnage dans le contrôle de réception : cas de METAFER  
**Entreprise METAFER**
- Contrôle de matière première et des matériaux d'emballage: un exemple de l'entreprise SODET **Entreprise SODET**
- Etude comparative des outils statistiques pour l'évaluation de la capabilité des processus de fabrication **Entreprise Affess**
- Application de la MSP de production du Thonne Société BenKalia (Production DU Thonne)
- Mise en place d'un système d'ordonnancements : cas de l'entreprise TECMMP
- Application d'une démarche Six Sigma: Cas de la société Menuiserie Aluminium du sud « MAS »
- Étude d'un système intégré sécurité environnement et qualité dans un laboratoire accrédité SIAP
- Contrôle statistiques et outils de résolution de problèmes : cas de la société MAS
- Développement d'un outil de planification des outputs de manutention « SOCOMININ »
- Gestion de la maintenance par objectif IDERYET
- Etude d'impact sur l'environnement : ISO 14001 cas de SFBT Sfax
- Application de la méthodologie Six Sigma : cas de TECMMP
- Application d'une démarche Six Sigma : Cas de SFBT Mahdia
- Application des outils de contrôle qualité : cas des industries chimique SIAP Sfax
- Planification de production hebdomadaire : cas de la société SIDILEC Cablage
- Affinement de la gamme et de la nomenclature par des outils de qualité SITEC AL Khoutaf
- Mesure de la satisfaction de la clientèle : cas de CHAHIA Sfax
- TUNIFOOD (transformation et conditionnement des produits fruits de mère)
- Résolution du problème de codification cahier de charge SIAP Sfax
- Application de la Méthodologie Six Sigma pour la réduction de la consommation



d'électricité cas de la société Schlumberger Sfax

## **Media:**

- Some software related to statistical econometrics.

## **Statistical analysis using SPSS and STATA**

1. Capacity data entry of any kind correctly.
  2. Processors and data analysis and calculation of statistical indicators.
  3. The use of statistical tests correctly.
  4. The ability to research and studies data analysis and opinion poll in all fields and specialties.
- Dealing with certain programs, such as: (Eviews 10, Word, Excel, SPSS 25, Minitab 18, Winrats 9.2, STATA 15, R, Gauss, XLSAT, 9,0, 10,0, OXEDIT, GIVEWIN, TSP Win 32, 4,5 TSP, ...)
  - Application and development of DPD / 98 programs In Win-Rats 9,2.
  - Developing program in econometric panel data and time series GARCH, DCC, BECK....