

Administration and management of GRUPO BAFAR, S.A.B. of C.V

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Abstract

GROUP BAFAR, S.A. de C.V. is a company that acts as pure parent, and through its subsidiaries is one of the leading producers and distributors in the country of cold meats, dairy, red meat and other meat products, besides being one of the leading exporters of cattle in Standing in the State of Chihuahua. BAFAR GROUP's goal is to become the largest group in Mexico in the processing and marketing of meat products, with strong influence on milk and other refrigerated products taking advantage of the growth opportunities that offer export markets. In 1996 the Company made public to trading on the Mexican Stock Exchange (BMV) 20% of its paid-in capital by an offer of 10,514.863 shares Series B. The proceeds of the initial offering were used to invest heavily fixed assets, information technology, integrated systems, marketing, training and product distribution. Finally on March 20, 2002, a contract of sale with the preparatory companies Nestle Mexico SA de CV and Societe de Produits Nestle SA was signed whereby fixed assets, brands and inventories of the industrial unit located in La Piedad, Michoacan, for the production of cold meats, sausages and matured under the Parma, Campestre Sabori and brands were acquired. The Company has been characterized as the leader of growth in the market of meat products, and has maintained a sustained growth in sales about 30% annually, a great concern for the training of its employees, and investment in technology expanding its operations.

Products frequently consumed, food, drinks and snuff, food, production of meat and derivatives, controller companies engaged in the production, distribution and marketing of processed foods, trading meat, fattening and marketing of cattle in foot

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$$\Pi = 32.38/2.96 = 0.80 \quad (1)$$

$$P_{max} = 36 \quad (2)$$

$$P_{min} = 36 \quad (3)$$

$$\frac{1}{2} = 0.50 \quad (4)$$

$$\frac{3}{4} = 0.75 \quad (5)$$

$$P_{pp} = 0 \quad (6)$$

$$\pi_s = 2.38 \quad (7)$$

$$\pi_{\neg s} = 2.96 \quad (8)$$

$$Lim = 0.10 \quad (9)$$

$$\varepsilon = -0.50 \quad (10)$$

$$M_{1=3} \quad (11)$$

$$M_{2=6} \quad (12)$$

$$M_{3=9} \quad (13)$$

$$M_{4=12} \quad (14)$$

$$TCD = 16.41 \quad (15)$$

$$TCI = \log 16.41 = 1.21 \quad (16)$$

$$\text{Acciones en Circulación} = 316,661,568 \quad (17)$$

$$\text{Acciones en Circulación Log} = 8.50 \quad (18)$$

$$\beta_0 = (0.50)^0 = 0.50 \quad (19)$$

$$\beta_1 = (0.50)^1 = 0.50 \quad (20)$$

$$\beta_2 = (0.50)^2 = 0.25 \quad (21)$$

$$\lambda = 0.75 \quad (22)$$

$$C.Variable = (70.60)^{3/4} = 24.35 \quad (23)$$

$$C.Fijo = (70.60)^{1/2} = 8.40 \quad (24)$$

$$C.Fluctuante = \frac{\sin(70.60)}{\cos(70.60)} = \frac{0.94}{0.33} = 2.83 \quad (25)$$

$$MaxAnt = 36.49 \quad (26)$$

$$MinAnt = 31.50 \quad (27)$$

$$f = 1 \quad (28)$$

$$\partial = 0.5 \quad (29)$$

$$d = -1 \quad (30)$$

$$n = 0.25 \quad (31)$$

Formula:

$$M.I. = \left[\frac{\left[\frac{(MD - M1)}{Determination - Depreciation} \right]^{Coverage} \left[\frac{Devaluation + C.Variable}{Forward - Exposition} \right]^{Arbitration}}{Capital Cost} \right]$$

$$- \left[\frac{[FCP + FMP + FLP]}{No fundable - Fundable} \right]^{CP+MP^2} + \left[\frac{Performance}{Utility} \right]^{Financial rank}$$

$$M.I. = \frac{\left[\frac{\left[\frac{\pi(P_{max} + P_{min})}{2} \right]^{\frac{1}{2}} - \left[\frac{\pi + P_{pp}}{2} \right]^{\frac{1}{2}}}{\left[\frac{(\pi_s + \pi_{\neg s})}{\pi_{pp}} \right]^{\frac{1}{2}} \lim_{\pi_{pp}} \frac{\pi_s}{\pi_{pp}}} - \left[\frac{d_{11} + d_{12} + d_{13} + d_{14}}{d_{11} + d_{12} + d_{13} + d_{14}} \right] \left[\frac{d_{11}}{\lambda} \right]^{\frac{1}{2}}} \right]^{\frac{TCI}{TCI}} \left[\frac{\left[\frac{\pi_s}{\pi_{pp}} \right]^{\frac{1}{2}} + \left(\frac{CV - CF}{CF} \right)^{\frac{1}{2}}}{\left[\frac{P_{pp} - 2}{AC} \right]^{\frac{1}{2}} - [TCD + TCI]} \right]^{\frac{1}{2} - \beta_{(s+n)}}$$

$$= \frac{\left[\frac{f \left[\frac{(max - min)^{\frac{1}{2}}}{(MaxAnt + MinAnt)^{\frac{1}{2}}} \right]^2 + f \left[\frac{(min + max)^{\frac{1}{2}}}{(MinAnt - MaxAnt)^{\frac{1}{2}}} \right]^2}{\left[\frac{MaxAnt + MinAnt}{(MaxAnt + MinAnt)^{\frac{1}{2}}} \right]^2} \right]^{\frac{1}{2}}}{\left[\frac{(V - \pi)^{max}}{TC} + \left(\frac{C + \pi}{TC} \right)^{\frac{max}{min}} + \left(\frac{C - \pi}{C + \pi} \right)^{\frac{TC - max}{min}} \right]^{\frac{1}{2}} \left[\frac{f \left[\frac{MaxAnt + MinAnt}{(MaxAnt + MinAnt)^{\frac{1}{2}}} \right]^2}{\left[\frac{MaxAnt + MinAnt}{(MaxAnt + MinAnt)^{\frac{1}{2}}} \right]^2} \right]^{\frac{1}{2}}}$$

$$+ \left[\frac{dmax}{d\lambda} - \frac{dmin}{d\lambda^2} \right] \left[\frac{\left[\frac{\partial max}{\partial MinAnt} \right] \left[\frac{\partial max - \partial min}{ant + ant} \right]^{\frac{1}{2}}}{\left[\frac{dmax / \lim MaxAnt}{dmin / \lim MinAnt} \right]^{\frac{1}{2} - \beta_1}} \right]^{\frac{1}{2}}$$

$$MIF = \frac{\left[\frac{.80 \left(\frac{36 + 36}{2} \right)^{.50} - (.80 + 0)^{.75}}{\left[\frac{(2.38 + 2.96)(0.25)(0.08) - [4 + 8 + 12 + 16 + (4.16)]}{(24.35 - 8.40)^{.75}} \right]^{\frac{1}{2}}} \right]^{\frac{1}{2}} \left[\frac{\left(\frac{2.38}{2.96} \right)^{.25} + \left(\frac{24.35 - 8.40}{2.83} \right)^{.25}}{\left(\frac{0 - 2}{316,661,568} \right)^{.25} - (16.41 + 1.21)^{.25}} \right]^{\frac{1}{2}}}{\left(\frac{24.35 - 8.40}{2.83} \right)^{.75}}$$

$$\begin{aligned}
 & \left[\frac{(0.08) + (.30) + (.27)}{\left[f \left(\frac{36}{(-1)(.75)(.36)} \right) - f \left(\frac{36}{(-1)(.75)(.36)} \right) - f \left(\frac{36}{(-1)(.75)(.36)} \right) \right]} \right] \\
 & + \left[\frac{\left[\frac{(-1)(.36)}{(-1)(.75)} - \frac{(-1)(.36)}{(-1)(.75)} \right]}{\left[\frac{(-1)(.36)}{(-1)(.75)} - \frac{(-1)(.36)}{(-1)(.75)} \right]} \right] \\
 & MIF = \frac{4.8 - 0.50}{0.11 - 44.16} \left[\frac{0.95 + 1.66}{7.08} \right]^{1.89} - \left[\frac{0.65}{f(1) - f(1.33) - f(1.33)} \right] \left[\frac{f \left(\frac{0}{1.76} \right) + f \left(\frac{0}{1.76} \right)}{f \left(\frac{0}{1.76} \right)} \right] \\
 & + \left[\frac{48 - 0.80}{(-0.50)^2} \right] \left[\frac{0.48}{1.14} - \left(\frac{0}{1.975} \right)^{1.11} \right] \\
 & MIF = \frac{(2.33)(0.15)}{3.65} - \left[\frac{0.65}{1.76} \right] + [0]^{1.03} = -0.0000089 \\
 & MIF = |0.0000089| = \text{valor absoluto} \Rightarrow (0.0000089 \times 100)^{1ra \text{ iteración}} \\
 & = (0.00089 \times 100)^{2da \text{ iteración}} = (0.089 \times 100)^{3ra \text{ iteración}} = \frac{8.9 \times 100}{100} = 8.9\%
 \end{aligned}
 \tag{32}$$

Through the Int. Financial model is determined that the percentage of financial activity of the station Bafar Group, represents 8.9% of our national economy in Mexico, holding an exchange rate of \$ 16.41, inflation of 2.96 non-core and being Holder or market in the Mexican financial market.

References

Escamilla, M. R. (2011). Análisis empíricos de los sectores económicos de México en R3 con aleatoriedad fractal. *Ecorfan Journal*, 2(3), 10-29.

Torrado, F. M., & Escamilla, M. R. (2012). Concatenación fractal aplicada a la interpolación de los precios en la Bolsa de Valores de Londres. *Ecorfan Journal*, 3(6), 48-77.

Ramos, M., Iglesias, F., Serrano, J., & López, C. (2014). Sistemas fractales de los precios de las acciones en la Bolsa de Madrid. *Tópicos Selectos de Recursos*, 113.

Ramos Escamilla, M. (2013). Mapeo fractal con IFS de precios bursátiles.

Torrado, F. M., & Escamilla, M. R. (2012). Concatenación fractal aplicada a la interpolación de los precios en la Bolsa de Valores de Londres. *Ecorfan Journal*, 3(6), 48-77.

Escamilla, M. R. ESTADÍSTICA DE GISF EN LA DINÁMICA ECONÓMICA FINANCIERA ACTUAL. No. 17 Primer cuatrimestre de 2011 REVISTA UNIVERSITARIA DE ECONOMÍA.

TORRADO, F. M., & ESCAMILLA, M. R. Regiones factibles y óptimas del Iso-Beneficio del Consumidora.

Escamilla, M. R., Vargas, M. J. S., & García, M. M. (2013). ITERACIÓN FRACTAL DE COMPUTO IFS EN LOS MERCADOS FINANCIEROS. *Rect@*, (4), 223.

Barnsley, M., Ramos, M., & Villasante, S. (2012). FUNCIONES DE LA ECONOMÍA FRACTAL: COGNICIÓN Y PARTICIPACIÓN FRACTAL ECONOMY FUNCTIONS: COGNITIVE AND PARTICIPATION. *Revista Investigación Administrativa*.

García, M. M., Escamilla, M. R., Vargas, M. J., Vargas, Ó., & García, L. (2013). Modelación fractal de los precios en el sector eléctrico de España vs. Galicia. *Enlaces: revista del CES Felipe II*, (15), 4.

Miranda Torrado, F., & Ramos Escamilla, M. (2014). Regiones factibles y óptimas del Iso-Beneficio del Consumidor. *Mundo siglo XXI*, (32), 79-87.

Vargas, M. J. S., & Escamilla, M. R. Técnicas de inteligencia artificial aplicadas a la resolución de problemas económico-financieros: análisis de los factores determinantes del éxito exportador Marta Miranda García Gestión Informática Empresarial.

Escamilla, M. R., Ramírez, R. P., & Escalona, C. B. (2013). Globalizing context of the policies MEXICO-EUA. In *Estudios en Finanzas y Contabilidad: España y América Latina. Estado del arte y las nuevas metodologías aplicadas* (pp. 213-234). ECORFAN.

Ramos Escamilla, M. (2013). Mapeo fractal con IFS de precios bursátiles.

Viveros Martinez, A. G., & Ramos Escamilla, A. M. (2015). Modelo para generar recursos financieros mediante la creación de una dirección de marketing en una institución de radio y televisión cultural.

RAMOS ESCAMILLA, M. D. J. (2013). *DINAMICA ECONOMICO FINANCIERA ACTUAL* (Doctoral dissertation).

Somos, Q., de Ética, C., de Conducta, C., & Cómputo, T. I. (2013). Estudio en Finanzas y Contabilidad: España y América Latina. Estado del arte y las nuevas metodologías aplicadas.

María, R. E., & Torrado, F. M. (2012, July). Fractal approach: The chaos and the theoretical evolution of capital markets. www.2012internationalconference.com/.../20120628111018_0.pdf. In *XXVI Congreso Internacional de Economía Aplicada-ASEPELT-Universidad Camilo José Cela-Madrid.*

Ramos, M., Candia, G., & Cornejo, D. (2014). Modelación económica fractal del vivir bien en Bolivia. *Investigación: cultura, ciencia y tecnología*, (11), 32-39.

Miranda Torrado, F., & Ramos Escamilla, M. (2014). Regiones factibles y óptimas del Iso-Beneficio del Consumidor. *Mundo siglo XXI*, (32), 79-87.