

Career Exploration in Mozambique: **Exploratory Study with Secondary Students**





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Abstract

Abstrace. This paper is part of a larger research project on the evaluation of carreer interventineeds in Morambique. It consists of an exploratory study of the career exploratiprocess of Morambician students attending the 126 grade. The results of the constravalidity and clustering analyses of the responses to the Currer Exploration analyses of the responses to the Currer Exploration con(CES) Stump, Colertilla, & Hartman, 1983) are discussed, in the light of the carexploration theory and empirical research, namely the cognitive motivational approach
of career exploration proposed by the CES original authors. Implications for the desiof career exploration proposed by the CES original authors. Implications for the desiof career interventions in Mozambican socio-cultural context are also drawn.

Key-words: Career exploration, career interventions, adolescence, secondary ed

Even with the selentific advancement of recent decades, career guidance remains a challenge in virtually all socities. Whatever the focus of concern in several countries, there are still imany unrestored itsues when the focus is the development of career intervention in school settings (Grispum, 1994).

In Morambiene, the social reintegration of many children and young person's is a role assumed by the school system, which therefore should assume also an important role in the career guidance and career development of rulents. In this context, the valuable contributions of Vocational Psychology should be considered, because since the last 50 years, this field has provided valuable insights and empirical findings on the vocational version of the contribution of diverse populations, as well as on the models and methods of exerce materials of the contribution of

intervention (18 verified Suiva, 2008). In this regard, once of the major challenges of the current Psychology is to be able to reach a quota of people that are normally excluded from psychological practice. It has been questioned, even so, the type of transing that the scholars in psychology have, to respond to this challenge, and whether this training securally facilitates the understanding of socio cultural and economical diversity of populations to serve, combining to the expansion of knowledge and of practice. We believe that this development is only possible through the contact with and through the study of the social reality that the researcher or practitioner wants to transform. This will belp modify the client image of Psychology (e.g., Macedo, 1994).

These considerations are also the basis of more recent interest in studying the role of schools in educational and vocational guidance of young people, and in their curver development at international level (e.g., Athanasiou & Estrocck, 2008; Taveira, Coelho, Olivera & Leonardo, 2004).

The evaluation of career intervention needs in Mozambique can be an added value to the development of practices culturally situated, and for the development of psychology itself, since it can be enriched by the research realities and problems of the African

In Mozambique, it is important breaking the walls of universities and institutions in private sector, which perform some practice, with the help of career teachers, and conduct an exploratory study on the advantages and disadvantages of adopting career thereventions and services for the population of public schools.

The present study skins at analysing the cultural validity of the career exploration construct proposed by Stumpf, Colarelli and Hartman (1983), and the characteristica of the career exploration process of Morambiena 12²⁰ grade students, in order to derive implications for career interventions in achools.

The sample of this study is composed of 314 Mozambican students of both sexes (boys N=120, 38, 28;; girls N=194, 61,385) with ages ranging from 15 to 24 years (M=17,05; D=1,23), attending the 112b garden in six secondary schools (public N=3) private N=3), in the capital Maputo and Matola city. Only 16% (N=37) of the sample registered they had previously received career guidance. The sample parental scole-occupational strain includes, administrative qualified professionals (3%), scientific and technological qualified professionals (3%), scientific and technological qualified professionals (3%), scientific and services professionals (36,6%), and less qualified trend-qualified vertex (22,25%).

The subjects completed an informed consented form (explaining the research goals confidentially norms, and registration of voluntary participation), and the Ca Exploration Survey (CES). The administration of the instrument occurred at beginning of the school year, between March and April 2009.

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Careve Exploration Survey (CES; Stumpf et al., 1933, adapt by Taveira, 1997). The CES is a multidimensional self-destinaintened calle with 62 items using liter-type response formst, designed to assess its belief about exploration control to the certainty of exerce exploration controls, extracted exploration for exploration instrumentality, method search instrumentality, and importance of preferred position), severe dimensions of the career exploration obtains considered, and there reactions to exploration, extent of self-exploration, exploration, exploration, exploration, exploration (exploration, frequency, amount of acqueried information, exploration exploration statisfaction with information, exploration statisfactory reliability of the CES for young adulty, adding four new forms to the self-exploration icale, one item to each of the stress scales, and a new four-item subscal neasuring career decision-making informaniality was introduced, additional statisfactory reliability data were obtained and reported for this version of the CES (Tevent, 2018, and 2018) and considered. This version of the CES was adapted to Formagues 98 (N=90), input considered, this version of the CES was adapted to Formagues 97 (N=90), input considered. This version of acquired information, assistance of the dimensional patterns derived from exploratory factional analysis was stated and evidenced in a confirmant representing instrumentally, internal tension, action of exploration internation, assistance of the dimensional patterns derived from explorat grade-level groups (Taveira et al., 1998).

In the present study, this refined version of the CES was factor-analysed for construct validity, using the exploratory method of Francipal Component Analysis. The findings indicated that a 11-factor model best described the data from Mozambique 12* graders, explaining a total variance of 5.6%. This model included 6 simple factors representing certainty of career exploration outcomes (F11, \(\pi \cdot 0.5\)), importance of preferred position (F2, \(\pi -0.6\)), amount of sequired information (F2, \(\pi -0.5\)), intended systematic exploration (F3, \(\pi -0.6\)). The five remaining factors were more complex and comprised exploration (F3, \(\pi -0.6\)). The five remaining factors were more complex and comprised exploration and decisional stress items (F1, \(\pi -0.3\)), afterned and method instrumentally items (F2, \(\pi -0.0\)), career decision-making method, and external instrumentally items (F2, \(\pi -0.0\)), career decision-making and method instrumentally items (F2, \(\pi -0.0\)), and employment outlook and satisfactions with information therms (F10, \(\pi -0.4\)). New studies of this version of the CES are under development. For the purpose of the present study, only the components with clearer dimensionality and more satisfactory consistency were used (F1 to F3).

The total sample means and standard-deviations for CES dimensions are presented in Table I. Three exploration dimensions means are above the und-point of the scale [835, IPP, EE), and two are below (EE, EES) These under the scale in the sc

K-means clustering analysis offers the opportunity to compare and classify each subject A-fine an ensetting analysis often the opportunity of company and change cases suggested results profile, in relation with the total sample career exploration pattern of results. The career exploration dimensions, sex and age groups were included as variables in the analysis. The final solution of five clustering was chosen (see Table 1). All the sample subjects were classified in the analysis.

	Dimensions	Scale	Scores		Total (N=314)		(N=50)	Chaster 2 (N=45)	Cluster 1 (H-61)	Chater 4 (N=65)	(N-90)
		Mid-point	Mi	Max	Mess	\$D	Mess	Меня	Mean	Mean	Mean
Beliefs	ESI-External Search Instrumentality (8 items, 5-point scale)	24	15	35	26,3	4,5	22,18	27,84	21,95	29,14	22,69
	IPT-Importance of Freferred Position (5 hems, 5-point scale)	15	7	25	19,4	3,5	17,62	20,24	16,69	21,26	20,67
Behaviors	EE-Environment Exploration (4 items, 5-point scale)	12	4	20	13,0	3,7	12,98	14,16	11,42	13,77	13,02
	ISE-Intended-Systematic Exploration (3 frems, 5-point scale)	,	3	LS	4	2,8	7,20	6,44	6,97	7,05	6,71
Reactions	EDS-Exploration and Decision Stress (9 items, 7-point scale)	16	1	56	35,0	10,7	42,91	17,96	27,78	41,42	14,77
Orador Groupe	Okton); Boyer2						1	1	1	1	1
Age Groups	15-16 years-1; 17-11 years-0 19-24 years-1	•			٠		1,68	1,20	1,66	1,80	1,72

The first cluster, named Challenging Exploration, classifies a subgroup of 50 (16%) subjects, mainly girls aged 16 to 17 years old, and who registers the highest inter subjects, manny garts aged to to 17 years one, and who registers are inguest meanures systematic exploration (above the sample mean value). Moreover, the levels of exploration and decisional stress registered by this subgroup are higher than the sample mean values, while the levels of external exploration instrumentality and of importance mean values, while the levels of external exploration instrumentality and of importance of career preference are lower. The levels of exploratory behavior registered are around the sample mean values. This subgroup of students may require more appropriate support in their career exploration and decision activities from career practitioners, teachers and parents. This involves providing the students with well-planned experiences based on indoors and outdoors career exploratory activities, and on concrete experiences of self-narrative, critical thinking and questioning, in a nurturing but secure and reassuring helping context, where they feel accepted and valued, and helped in moving towards the achievement of their life-career aspirations.

The second cluster, named Activation of Casual Exploration, classifies a subgroup of 45 (14%) subjects, mainly girls aged 16 to 18 years old, who registers the lowest intended-systematic exploration and exploration and decision stress mean values, and the highest environment exploration besides, the mean values of external exploration instrumentality and of importance of career preference are lower than the sample' means values. These students would benefit from brief-structured career interventions, seeking to promote more intentional career exploration, centered on life-roles management and gender and societal issues, as a means for advancing in proximal career decision-making and in vocational identity construction.

The third cluster, named <u>Compromised Exploration</u>, classifies a subgroup of 64 (20 %) subjects, mainly girls aged 16 to 17 years old, who registers the lowest values of external exploration instrumentality, of importance of career preference and of environment exploration, along with lower levels of exploration and decision stress and higher levels of intended-systematic exploration, when compared with the sample means. This subgroup could also benefit from brief-structured career interventions contends a propositive feasible or the sample means. centered on promoting knowledge and essayof career decision-making and life-design

The fourth cluster, named <u>Eager Exploration</u>, classifies a subgroup of 65(21%) subjects, mainly girls aged 15 to 17 years old, who registers the highest mean values of external exploration instrumentality, of importance of career preference, and of exploration and decision stress, and higher levels of intended systematic exploration and of environment exploration when compared with the sample; means values. These students register an active pattern of career exploration which maintenance implies, among other things, self-regulation of anxiety levels. Career practitioners can help these students to evaluate, monitor and self-regulate the eventual negative emotional effects of career exploration, for example, through planned preventive career development workshops or career counseling interventions in secondary schools.

The fifth cluster, named Normative Exploration, classifies a subgroup of 90 (29%) subjects; mainly girls aged 16 to 17 years old. When compared with the total sample, this subgroup registers higher mean values of external exploration instrumentality, of importance of career preference and of environment exploration, and lower mean values of intended systematic exploration. Levels of exploration and decision stress are around the sample' means values, although slightly below. This subgroup of students can benefit from career practitioners' support designed to share developmental information on the role of career exploration in effective career decision-making and self-career management, and to raise students' sense of urgency in terms of career decision-making and planning. and planning.

Conclusions and Limitations

The study of the cultural validity of CES constructs and measures for use in Mozambique educational context needs further developments. Attention to individual characteristics in career exploration contributes to the design and implementation of effective career interventions in school settings.

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