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# Survey on Caregiver and Financial Resources for Time Donation

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Abstract: Online time donation-based caregivers has brought new life to needy people by soliciting small monetary contributions from time donors to help others in trouble or with dreams. However, a crucial issue for caregiver platforms as well as time donation process is the problem of high donor attrition, i.e., many donors donate only once or very few times within a rather short lifecycle and then leave. Thus, it is an urgent task to analyze the factors of and then further predict the donors' behaviors. Especially, we focus on two types of behavioral events, e.g., donation recurrence (whether one donor will make donations at some time slices in the future) and financial resources (whether one can take help by financially in future time). In this project, we present a focused study on donation recurrence and financial resource with the help of large-scale behavioral data collected from time donation. The experimental results clearly demonstrate the effectiveness of our proposed models for analyzing the donation recurrence and financially in time donation. Keywords: Time Donation, Donation Recurrence, Web application.

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## I. INTRODUCTION

Time plays a significant role in our life. Time helps us make a good habit of structuring and organizing our daily activities. If you understand the value of time better, you can gain experience and develop skills over time. Time is the most valuable resource because you cannot take it back. Helping others by donating them your time and in return expecting the same amount of help from others when required.

# II. RELATED WORK

- 1. We presented a focused study on prospecting the donation careers in crowd funding. By collecting and analyzing large-scale real-world data, we specifically formalized predicting tasks on donation recurrence.
- 2. In experiments, they analyzed the donations in crowd funding and validated the prediction performances on two tasks from various aspects.
- 3. The experimental results clearly demonstrated the effectiveness of their proposed models for analyzing and predicting the behavioral events, i.e., donation recurrence and donor retention.

Their study may bring some new insights from the application view of crowd funding and the technical view of exploiting deep learning for survival analysis to the research communities.

## **III. LITERATURE REVIEW**

The First chapter described work. The problem statement gave a brief idea about the proposed work and the objectives gave a step wise. Execution process of the proposed work. This chapter includes the details of the related papers with this system and the respective author's work. These papers are close to the objectives of this system and the observations of these research papers are analyzed in the proposed.



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Sr No.	Paper Title	Mechanism	Advantages	Disadvantages
1	Voice of Charity: Prospecting the Donation Recurrence and Donor Retention in Crowdfunding (2019)	Crowdfunding, Donor – Retention	Crowdfunding is an emerging Internet-based fundraising mechanism soliciting small monetary contributions from crowd donors to help others in trouble or with dreams.	The main limitation of this method is that illiterate people cannot use it properly.
2	Tracking the Dynamics in Crowdfunding (2018)	Learning Base Forecasts in SWR.	The experimental results on our collected data clearly demonstrated the effectiveness of our solutions, especially SWR and the combination.	Tracking the dynamics in crowdfunding is very challenging and still under-explored
3	Donor Retention in Online Crowd funding Communities: A Case Study of Donors Choose org (2018)	Crowdfunding.	Models could prove to be very useful for crowdfunding platforms as well as nonprofit organizations to efficiently target fundraising campaign efforts.	It can be much more cost-effective to maintain relationships with existing donors
4	Inferring the Impacts of Social Media on Crowdfunding (2017)	Statistical characteristics of dataset, DYNAMICS OF CROWDFUN DING	As crowdfunding flourishes as a feasible fundraising strategy – through the collective efforts by participants who network and pool their money together – in many industries, it becomes useful to think about how to attract more contributions.	Getting the rewards or returns wrong can mean giving away too much of the business to investors
5	ProjectSuccessPredictioninCrowdfundingEnvironments. (2017)	Cox proportional hazards model	Author formulate the project success prediction as a survival analysis problem.	To predict the project success, there is a need for new prediction models like classification and regression.
6	Recommending Investors for Crowdfunding Projects.(2017)	logistic regression SVM. With Kickstarter dataset	Author are now able to recommend potential investors for a specific project. W	To recommend potential investors who are on Twitter, we need to link Kickstarter users to their Twitter accounts first.
7	Probabilistic Group Recommendation Model for CrowdFunding Domains	COM model and recommendation framework.	author introduced a recommendation framework for a popular crowdfunding platform.	The state-of-the-art group recommendation model that does not include the dynamic- status component.



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8	From friendfunding to	Crowdfunding	The provision of financial	It require large numbers
	crowdfunding: Relevance	methods are used	resources either in form of	of funders to reach
	of relationships, social		donation or in exchange for some	funding targets single
	media,platform		form of reward	funder is not allowed.
9	Multi-Task Learning	Multi-Task	Provide an accurate estimation of	The solution of the
	Formulation for Survival	Learning model	the survival time for each	optimization problem is
	Analysis	for Survival	instance.	not trivial since it
		Analysis		contains nonnegative
		(MTLSA)		and non-increasing
				constraints
10	Product Supply	Multi-task	Enhancing the funding	limited budget of a
	Optimization for	learning (MTL)	performance of the newly	creator is manually
	Crowdfunding	Method	proposed campaigns in	divided into several
	Campaigns		competitive crowdfunding by	perks
			optimizing the product supply of	
11	Durfret and Duising		perks. This Paper the effect of the	A
11	Product and Pricing Decisions in	two-period model and Two-Cohort		A project will be successfully funded
	Decisions in Crowdfunding	Model	crowdfunding mechanism on pricing dynamics over time	only if the total value of
	Clowarunanig	WIOdel	pricing dynamics over time	committed purchases
				exceeds a specified goal
				within a certain time.
12	Modeling Dynamic	probabilistic	captures a project's	Limitations to
12	Competition on	generative model,	competitiveness over time based	competition on
	Crowdfunding Markets	Dynamic Market	on its pledging result compared	crowdfunding markets
		Competition	to others and the status of the	can significantly affect
		(DMC) model,	market	project success.
13	The dynamics of	Empirical	Crowdfunding model is whether	Projects generally
	crowdfunding:	description of	successful crowd funding leads to	succeed by small
	Determinants of Success	funding through	the successful development of	margins, or fail by large
	and failure	Kickstarter, and an	goods and services. To analyze	ones. Social capital and
		analysis of the	the success of crowd funding	project quality increase
		determinants of	efforts	the chance of project
		success and failure		success.
		among Kickstarter		
14	An Empirical	Crowdfunding or	Permission to make digital or	Tweet is limited to 140
	Examination of the	Crowd-sourced	hard copies of all or part of this	characters , most URLS
	Antecedents and	fundraising.	work for personal or classroom	are shortened by a Url
	Consequences of		use if granted without fee	shortening service.
	Contribution Patterns in		provided that copies are not made	
	Crowdfunding Markets .		or distributed for profit or	
			commercial advantage and that	
1			copies bear this notice and the	
1			full citation on the first page	



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15	Crowdfunding inside the	Crowd work and	Crowdfunding sites allow a kind	These outcomes were
15	U		e	
	enterprise : employee	Online	of collaborative innovation,	achieved in a single
	initiatives for innovation	Communities	because proposers can describe	research organization.
	and collaboration .		new ideas and ask for financial	Our experiment
			and other kinds of support	involved only one type
				of crowdfunding (see
				"Varieties of
				Crowdfunding"
16	Inferring Social roles and	Demographics are	human interactions on	Human interactions
	statuses in Social	widely used in	demographics by investigating a	between demographics
	networks	marketing to	country-wide mobile	reveal homophily or
		characterize	communication network. From	cross generation
		different types of	this, we discover a set of social	phenomena not only in
		customers.	strategies stemming from human	topologically but also in
			communications	their dynamics

 Table 1: Literature Review

#### **IV. CONCLUSION**

A dynamic website which allows one to create a job in return of time. A user can also apply for the job and will get time in return for the same. This website can help people to utilize their time in the most effective manner and also get their work done in exchange of the time they have donated.

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