Final Version

# Why Do the Rich Save So Much?

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#### Abstract

This paper considers several alternative explanations for the fact that households with higher levels of lifetime income ('the rich') have higher lifetime saving rates (Dynan, Skinner, and Zeldes (1996); Lillard and Karoly (1997)). The paper argues that the saving behavior of the richest households cannot be explained by models in which the only purpose of wealth accumulation is to finance future consumption, either their own or that of heirs. The paper concludes that the simplest model that explains the relevant facts is one in which either consumers regard the accumulation of wealth as an end in itself, or unspent wealth yields a flow of services (such as power or social status) which have the same practical effect on behavior as if wealth were intrinsically desirable.

Keywords: saving, consumption, Life Cycle model, rich, bequests, inheritance

**JEL Codes:** D11, D12, D31, D91, E21 H23, H24

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F.-Scott-Fitzgerald,-to-Ernest-Hemingway:-

"The very rich are different from you and me."-

Ernest-Hemingway,-to-F.-Scott-Fitzgerald:-

"Yes.- They-have-more-money."<sup>1</sup>

## 1 Introduction

The saving-behavior of the wealthy-has-received-remarkably-little-academic-attention-in-thepast-twenty-years-or-so.- This-is-probably-largely-attributable-to-a-relative-lack-of-good-data:-The *Survey-of-Consumer-Finances*-is-virtually-the-only-publicly-available-source-of-detaileddata- on-wealthy- households, - and - even- the SCF- has- only- a- few- hundred- really- wealthyhouseholds- in-each- triennial- wave.- Despite-recent-neglect, - the-topic-is- an-important- onefor-scholars- of-saving- behavior, - for- at-least- two-reasons.- First, - wealthy- households-shouldprovide-a-powerful-means-of-testing-whether-the-standard-model-of-consumer-behavior, - the-Life-Cycle/Permanent-Income-Hypothesis, - is- adequate-as- a-universal-model-of-saving- andconsumption.- This-is- an-application- of-the-general-scientific-principle-that-models-shouldbe-tested-under-extreme-conditions; - if-they-do-not-hold-up, -a-new-model- (or- an-extendedversion-of-the-old-one)-is-called-for.- The-second-reason-for-studying-the-wealthy-is-that-theyaccount-for-a-large-share-of-aggregate-wealth.- In-fact, - some-understanding-of-the-savingbehavior- of- the-wealthy-is- probably-indispensable-to- any-credible-attempt-to-account-forthe-magnitude-of-aggregate-wealth.-

Although-the-primary-source-of-evidence-in-this-paper-will-be-the-four-Surveys-of-Consumer-Finances-conducted-in-1983,-1989,-1992,-and-1995,-the-inevitable-limitations-of-thosedata-will-be-apparent.- The-paper-therefore-also-relies-to-a-considerable-extent-on-unorthodox-kinds-of-evidence,-ranging-from-information-in-the-annual-Forbes-400-tabulation-of-therichest-American-households,-to-quotations-from-and-about-the-very-rich,-to-the-results-ofa- "focus-group"-meeting-with-a-set-of-wealthy-individuals-who-were-directly-asked-theirreasons-for-saving.-

<sup>&</sup>lt;sup>1</sup>This-is-a-paraphrase-of-a-conversation-cited-in-Bartlett's Familiar Quotations (1980)-

The-paper-begins-by-considering-whether-the-standard-model-of-household-consumptionand-saving-decisions,-the-Life-Cycle-model,-provides-an-adequate-description-of-the-behaviorof wealthy households. I argue that the Life Cycle model, or at least the traditional incarnation-in-which-the-decision-maker-saves-mainly-to-finance-his-own-future-consumption,cannot-simultaneously-explain-both-the-behavior-of-the-median-household-and-the-behaviorin-the-upper-tail-of-the-wealth-distribution.- The-next-section-of-the-paper-considers-whethera- "Dynastic" - model, - in-which-the-wealthy-save-mainly-for-the-benefit-of-their-heirs, - performs-better.-While-the-Dynastic-model-can-explain-some-observations,-and-probably-doesroughly-apply-to-some-households,-I-argue-that-it-still-does-not-explain-some-important-factsabout-the-saving-behavior-of-the-wealthy. Furthermore, the Dynastic-model-conflicts-withthe-self-reported-motives-for-saving-that-many-wealthy-people-voice. Finally, I-consider-amodel-in-which-the-wealthy-save-because, either-directly-or-indirectly, they-obtain-greaterpleasure-from-possessing-an-extra-dollar-of-wealth-than-they-would-get-from-an-extra-dollarof consumption. Following Max Weber (1958) as interpreted by Zou (1994) and Bakshiand-Chen-(1996), I-call-this-the-"Capitalist-Spirit"-model. I-argue-that-a-direct-wealthaccumulation-motive-is-indispensable-in-explaining-at-least-some-of-the-observed-behaviorof-the-very-wealthy.-

# 2 Can the Life Cycle Model Explain the Behavior of the Wealthy?

A- provocative- recent- paper- by- Hubbard, - Skinner, - and - Zeldes- (1994)- (henceforth, - HSZ)argues-that-an-expanded-version-of-the-Life-Cycle-model-in-which-uncertainty-is-modelledrealistically-can-generate-patterns-of-wealth-accumulation-that-are-roughly-consistent-withaverage-data-from-household-surveys, - and - amounts-of-aggregate- wealth-that-are-similar-toobserved-aggregate-household-wealth-in-the-U.S.-If-such-a-model-really-did-produce-roughlycorrect-predictions-for-household-wealth-holdings, - there-would-be-little-need-to-study-thevery-wealthy-in-detail, -since-they-would-merely-be-scaled-up-versions-of-everyone-else.-

Behind-the-scenes-of-the-HSZ-model,-however,-all-is-not-well.- While-it-is-true-that-

the model can predict approximately correct average values for wealth or the wealth-toincome ratio, it achieves this average by making large but offsetting errors in predicting the underlying distribution of wealth. Specifically, the HSZ model predicts, at most ages, that the household with median wealth actually holds substantially more wealth than the median household in SCF data holds and, at the same time, the model greatly *underpredicts* the amount of wealth held by the households at the top of the wealth distribution.

 $\label{eq:Figure-1-presents-data-on-the-age-profile-of-the-ratio-of-total-wealth-to-permanent-income-for-the-median-household-in-a-stochastic-Life-Cycle-model-very-similar-to-that-of-Hubbard,-Skinner,-and-Zeldes.<sup>2</sup> The-figure-also-presents-data-on-the-age-profile-of-the-actual-median-household's-wealth/permanent-income-ratio-from-the-1992-and-1995-Surveys-of-Consumer-Finances-(dashing-lines)-during-the-working-lifetime.<sup>3</sup> The-figures-make-clear-that-the-HSZ-model-substantially-overpredicts-the-wealth-of-the-median-household-in-the-SCF-data.<sup>4</sup>$ 

How, then, can the HSZ-model-produce overall-averages that resemble the means of the SCF-data? The answer-lies in the wealth-holdings of the top-few-percent of the distribution. The solid-line in figure 2-shows, for each age-group, the average ratio of wealth to permanent-

<sup>&</sup>lt;sup>2</sup>The most important differences are, first, that this model incorporates shocks to permanent income, while the HSZ model has only transitory (but very persistent) shocks (they estimate an AR(1) coefficient greater than .90); second, this model ignores health risks; third, I assume that in every period there is a small (p=-.03) and serially uncorrelated chance of unemployment; and, finally, I do not extensively model the social welfare system that applies to households at the bottom of the income distribution. (However, I assume that labor income risk was far more important than health risk in determining the age profile of wealth and saving, and the details of the social welfare system are not very important in determining the behavior of the median households (much less the rich households). Hence these modelling differences should not matter much for my purposes. I have adopted HSZ's assumptions about parameter values: time preference rate equal to the interest rate at 3 percent annually; coefficient of relative risk aversion of 3; and a similar age/income profile. The definition of 'permanent-income' here is the annual-income that a household would receive if there were no transitory shocks to income. Except for the incorporation of unemployment insurance and stochastic mortality, and the use here of HSZ parameter values, this model is the same as that in Carroll (1997); see that paper for further discussion of the model's characteristics and implications.

<sup>&</sup>lt;sup>3</sup>Of-course, 'permanent- income' is not-directly observed- in- the-SCF.- However, the survey does ask consumers whether their income over the last year was usually high, usually low, or about normal. The figure shows the median of the ratio of wealth to actual income for the set of consumers who reported that their income was about normal. Kennickell (1995) argues that this question appears to provide a very effective way of identifying households who have recently experienced transitory shocks to income. I excluded SCF households who report ever having received an inheritance, so the difference in the SCF and HSZ-models cannot be due to inheritances.

 $<sup>{}^{4}</sup> The SCF-profiles-were-generated-by-a-quantile-regression-of-the-log-(wealth/permanent-income)-ratio-on-a-set-of-age-indicator-variables-which-produce-a-smooth-approximation-to-a-ten-year-centered-moving-average-of-the-actual-log-(wealth/permanent-income)-ratio.- For-further-details,-see-the-programs-that-generated-the-data,-available-at-the-URL-listed-in-the-acknowledgments.-$ 

income for households at the 99th percentile (by age) in the HSZ model. The dashing line shows the corresponding calculation using the actual data from the 1992 and 1995 SCFs. Clearly, the richest SCF households own enormously more wealth, in relation to their permanent income, than the richest consumers in the HSZ model.

Taken- together, - Figures 1- and 2- show- that the stochastic Life Cycle model under-HSZ-parameter values matches the aggregate and average data only because it makes twooffsetting errors: overestimating the wealth of the typical household and underestimating the wealth of the richest households.

These-simulations-indicate-that-even-the-extended-Life-Cycle-model-misses-some-crucialfeatures-of-household-behavior.- However,- the-model's-overprediction-of-the-wealth-of-themedian-household-is-easily-rectified;-Carroll-(1992,-1997)-argues-that-the-model-captures-themain-features-of-the-behavior-of-the-median-household-very-well-if-consumers-are-assumedto-be-slightly-more-impatient-than-HSZ-assume,- and-if-the-income-process-is-modified-toinclude-the-benefits-of-aggregate-productivity-growth-(HSZ-assume-that-households-expect,and-experience,-zero-aggregate-productivity-growth-over-their-lifetimes).-

If assuming that consumers are somewhat more impatient can make the stochastic Life-Cycle model match the behavior of the median household, a natural question is whether assuming that consumers are somewhat more *patient* can make the model match the richest households. If so, then it might be possible to argue that the only modification needed to make the stochastic Life Cycle model match the facts is to assume that consumers with higher lifetime incomes are also more patient. Figure 3 examines this possibility by showing the pattern of wealth over the working life of consumers who are the same as the consumers in the baseline HSZ model except that they have a time preference rate of zero rather than the baseline HSZ time preference rate of 3 percent annually. While the age/wealth profile is certainly higher than in the standard HSZ model, it remains far below the profile for the consumers in the top 1 percent of the SCF data. Plausible modifications of other parameter values also fail to raise the model profile to the level found in the data. In other words, the richest households are saving more than can be justified even in a version of the Life Cycle

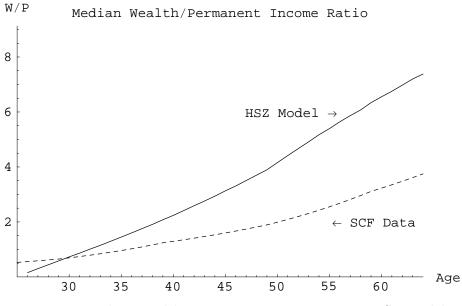


Figure-1:- Median-Wealth-to-Permanent-Income-Ratio,-HSZ-Model-

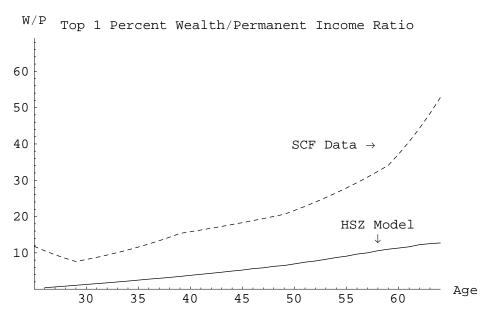


Figure 2: 99th Percentile of Wealth to Permanent Income Ratio, HSZ-Model-

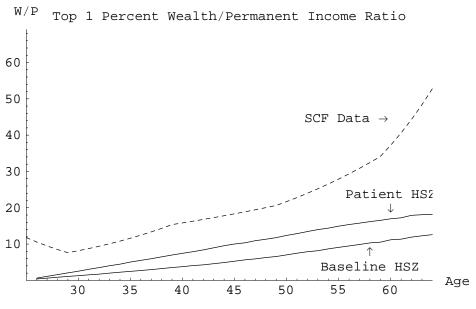


Figure-3:- Wealth-Profiles-for-Baseline-and-More-Patient-Consumers-

model-that-allows-for-very-patient-consumers-with-a-strong-precautionary-saving-motive.-

The evidence presented thus far has concerned the saving behavior and wealth profiles of consumers during the working period of life. The Life Cycle model has another set of testable implications for behavior in the latter stages of life, after retirement. In particular, according to the standard Life Cycle model, even patient consumers want to spend all of their wealth before they die. Of course, an uncertain date of death makes this difficult to achieve on one's own. However, there is a financial instrument which accomplishes exactly the goal implied by the model: annuities. One test of the rough accuracy of the basic Life Cycle model is therefore whether the wealth of retired households is largely annuitized.

Carrying-out-such-a-test-requires-some-methodology-for-calculating-annuity-wealth.- Iassume-that-the-annuity-is-fixed-in-real-terms-(primarily-because-the-largest-form-of-annuityincome,- Social-Security,- is-inflation-adjusted).- I-assume-a-real-interest-rate,- and- use-themortality-tables-from-HSZ-to-construct-the-expected-present-discounted-value-of-a-one-dollarper-year-annuity-as:-

$$\Gamma_a = \sum_{i=a}^T \left(\prod_{j=a}^i \Lambda_j\right) R^{a-i},\tag{1}$$

where  $\Lambda_i$  is the probability of surviving from year i-1 to year i and R = 1 + r is the gross-

interest-rate (I-assume R = 1.03-but-results would be similar for other plausible interestrates). The wealth-value of the observed annuity income YANN at age a is then  $\Gamma_a$  YANN a.

Using- this- method,- and- including- home- equity- among- annuitized- wealth,- the- meanhousehold- over- age- 65- has- approximately- 55- percent- of- their- wealth- in- annuitized- form.-However,- among-the-richest-1-percent-of-households,- the- mean-annuitization-rate-is-only-10percent.-

This-evidence-on-annuitization-is-suggestive, but-hardly-conclusive. Annuity-marketsare-likely-far-from-perfect; as-in-other-insurance-markets, adverse-selection-may-distort-themarket-sufficiently-to-make-inference-hazardous. Furthermore, annuities-are-the-perfectfinancial-vehicle-to-counter-only-one-kind-of-risk, mortality-risk. If-other-kinds-of-risk-areimportant, it-is-no-longer-obvious-that-even-selfish-Life-Cycle-consumers-should-annuitizemost-or-all-of-their-wealth. For-example, if-there-is-a-small-probability-of-a-very-expensivemedical-problem, it-may-be-important-to-have-access-to-a-large-chunk-of-nonannuitizedwealth-in-order-to-pay-the-bills-(assuming-that-no-health-insurance-will-fully-cover-everypossible-medical-catastrophe-or-every-potentially-desirable-experimental-treatment).

An-extreme-assumption-would-be-that-annuity-markets-are-so-imperfect-that,-for-practical-purposes,-we-can-assume-that-annuities-cannot-be-purchased. This-assumption-wouldobviously-vitiate-the-argument-that-the-failure-of-the-wealthy-to-annuitize-their-wealthproves-that-they-are-not-Life-Cyclers.- However,-in-the-absence-of-annuities-the-Life-Cyclemodel-has-other-implications.- In-particular,-it-implies-that-selfish-Life-Cycle-consumers,even-patient-ones,-will-eventually-begin-running-down-their-wealth-as-they-age.- Figure-4shows-that-by-age-80-or-so-the-HSZ-model-implies-that-consumers-should-be-dissaving-ata-fairly-substantial-pace-(the-simulations-here-follow-HSZ's-assumptions-about-mortalityrates,-which-they-derived-from-actuarial-data,-with-the-modification-that-they-assume-thatdeath-occurs-for-certain-at-age-100-if-it-hasn't-happened-yet).- However,-Figure-5-shows-theactual-average-age-profile-of-wealth-across-the-four-SCF-surveys.- Although-wealth-accumulation-slows,-or-perhaps-halts,-around-age-65,-there-is-no-noticeable-decumulation-of-assetsfor-consumers-in-the-top-percentile-of-the-wealth-distribution.<sup>5</sup>

Of-course, nothing-in-economics-requires-us-to-believe-that-the-only-purpose-of-savingis-to-finance-one's-own-future-consumption; that-is-merely-a-hypothesis-of-the-basic-Life-Cycle-model.- One-natural-idea-is-that-the-wealthy-do-not-run-down-their-assets-becausethey-want-to-leave-bequests-to-their-children.- This-thought-leads-to-the-next-model.-

"I would as soon leave my son a curse as the almighty dollar." - Andrew-Carnegie.-

# 3 The Dynastic Model

In-the-1995-issue-of-the-annual-*Forbes-400*-count-of-the-richest-Americans,-there-are-at-least-11-households-containing-descendants-of-Pierre-du-Pont-(died-1817).- This-might-seem-tobe-compelling-evidence-that-at-least-some-of-the-very-rich-have-a-powerful-bequest-motive.-On-the-other-hand,-apparently-no-members-of-the-400-trace-their-wealth-to-Robert-Morris,reputed-to-be-the-wealthiest-man-in-America-at-the-time-of-the-Revolutionary-War.- And-Andrew-Carnegie-gave-away-over-90-percent-of-his-fortune-before-he-died.-Furthermore,-thefact-that-large-bequests-to-children-do-occur-does-not-prove-that-provision-of-such-bequestsis-the-primary-motivation-for-accumulation.-

This section of the paper considers a particular model of bequests proposed by Barro (1974). The dynast-alive at time t is assumed to solve the intertemporal maximization problem:

$$\max_{C_t} \quad U(C_t) + \sum_{i=t+1}^{\infty} \beta^{i-t} U(C_i)$$
s.t.  $W_{t+1} = R[W_t - C_t] + Y_{t+1},$ 
(2)

 $<sup>^5</sup>$ The-methods-for-construcing-this-figure-draw-on-a-literature-dating-at-least-to-Browning,-Deaton,-and-Irish-(1985)-and-with-recent-contributions-by-Attanasio-and-Weber-(1985).-These-authors-have-shown-how-to-construct-'synthetic-panels'-from-a-series-of-cross-section-surveys-like-the-four-SCFs-used-in-this-paper.-That-literature-has-noted-that-age,-time,-and-cohort-effects-cannot-be-independently-distinguished-using-such-data,-because-age,-time,-and-cohort-are-linearly-related.-The-assumptions-I-made-to-identify-age-effects-were,-first,-that-cohort-effects-can-be-captured-by-a-single-term-reflecting-the-lifetime-level-of-permanent-income-of-each-cohort,- (which-I-assume-increased-on-average-by-1.5-percent-per-annum-for-the-cohorts-in-question,-if-anything-an-underestimate-of-the-relevant-average-productivity-growth-rate-and-therefore-a-source-of-downward-bias-in-the-slope-of-the-estimated-age-profile);-and,-second,-that-the-time-effects-averaged-to-zero-over-the-four-SCF-surveys.-

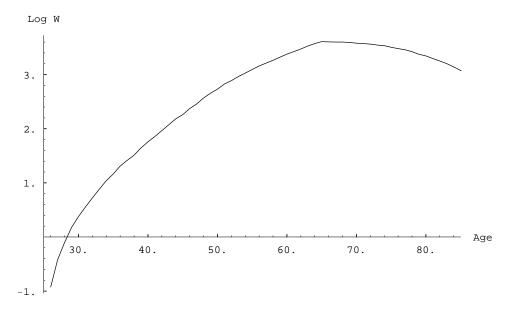


Figure-4:- Age-Profile-of-Log-Wealth-for-the-99th-Percentile,-HSZ-Model-

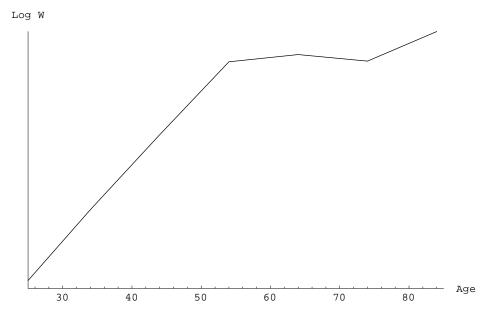


Figure-5:- Age-Profile-of-Log-Wealth-for-the-99th-Percentile,-SCF-Data-

where  $C_t$  corresponds to the lifetime consumption spending of the generation living attime t, W is the dynasty's wealth, Y is the (noncapital)-income earned by that generation, R is the intergenerational interest rate, and  $\beta$  is the discount factor. The implications of this equation for macroeconomics spawned the large literature on Ricardian equivalence in the 1970s and 1980s. More recently, Altonji, Hayashi and Kotlikoff (1992) have tested the Dynastic model with household-level data from the Panel Study of Income Dynamics and rejected its strong implication that only dynastic resources should matter for any individual family's consumption. The typical PSID family, however, is not particularly wealthy, so those results do not necessarily imply that the Dynastic model is a poor one for the wealthiest families.

Although-intuition-suggests-that-the-dynastic-model-might-be-interchangable-with-othermodels-in-which-leaving-a-bequest-yields-utility,-in-fact-the-model-has-distinctive-implications,-such-as-Ricardian-equivalence,-that-need-not-follow-from-other-models-of-bequests.-Asa-result,-the-economic-literature-has-drawn-a-distinction-between-Dynastic-models-like-theone-specified-in-equation-3-and-"Joy-of-Giving"-models-in-which-the-bequest-yields-utilitydirectly.- For-example,-the-Dynastic-model-implies-that-the-size-of-the-bequest-should-bea-function-of-the-ratio-of-the-parent's-lifetime-income-and-the-child's-lifetime-income;-thatparents-should-give-larger-bequests-to-poorer-children;- and-that-childless-wealthy-peopleshould-leave-no-bequests.- All-of-these-implications-of-the-Dynastic-model-have-been-testedin-population-representative-datasets- and-none-has-received-consistent-empirical-support.-This-section-provides-evidence-that-the-Dynastic-model-is-also-a-poor-description-of-thebehavior-of-the-richest-households.-

To-begin-with-some-very-informal-evidence,-Kennickell,-Starr-McCluer,-and-Sunden-(1995)report-some-results-from-a- "focus-group"-session-on-saving-motivations-that-was-convenedas-part-of-the-preliminary-work-in-designing-the-questions-for-the-1995-SCF.<sup>6</sup> The-eight-

 $<sup>^{6}</sup> Focus \ groups \ are \ commonly \ used \ in \ the \ preliminary \ stages \ of \ survey \ design \ to \ test \ sample \ questions \ and \ to \ explore \ whether \ respondents \ interpret \ questions \ in \ the \ intended \ way; \ to \ identify \ plausible \ ranges \ of \ behavior \ that \ might \ be \ exhibited \ by \ survey \ respondents; \ and \ for \ suggesting \ the \ most \ important \ sources \ of \ variation \ across \ individuals.$ 

	Most-	One-of-the-5-	Number-
	Important-	Most-Important-	of-
	Reason-	Reasons-	Observations-
Entire-Sample-	.03-	.05-	3254-
Richest-1-Percent-	.02-	.04-	652-

Table-1:- Percent-Saying-Inheritance-is-Important-Reason-to-Save-

members-of-the-group-were-all-wealthy-individuals,<sup>7</sup> mostly-in-their-50s. Participants-wereasked- "Thinking-about-your-reasons-for-saving,-what-sorts-of-reasons-are-most-importantto-you?" - In-the-entire-course-of-a-three-hour-conversation-of-saving-behavior,-however,providing-a-bequest-was-not-mentioned-once-as-a-reason-for-saving.<sup>8</sup>

A-group-of-eight-individuals-is-obviously-too-small-a-sample-to-convincingly-demonstratethe-general-absence-of-a-bequest-motive-among-the-wealthy. Somewhat-more-persuasiveevidence-is-provided-in-the-results-of-survey-questions-on-the-1992-SCF.-Respondents-wereasked-to-list-their-five-most-important-reasons-for-saving. As-shown-in-Table-1,-only-threepercent-of-the-general-population,- and-two-percent-of-the-wealthy-households,- indicatedthat-providing-an-inheritance-was-the-most-important-reason-to-save.<sup>9</sup> Furthermore,-only-5-percent-of-the-total-population-and-4-percent-of-the-wealthy-households-indicated-thatproviding-an-inheritance-was-among-their-*top-5*-reasons-for-saving.- (The-differences-betweenthe-wealthy-households-and-the-general-population-are-not-statistically-significant-here.)-

Another obvious test of the model is to see whether the childless elderly tend to dissave more than those with children. This hypothesis has been tested using populationrepresentative data; Hurd (1986) found that in the population as a whole, there is no tendency for elderly with children to decumulate faster than those without. Unfortunately, even when the data from the four SCFs are combined, the number of childless, elderly, wealthy households is too small to permit reliable estimation of age profiles of wealth (only about ten percent of elderly couples are childless).

 $<sup>^{7}</sup> They were required to have a minimum annual income of \$250,000, minimum net worth of \$600,000, or both. -$ 

 $<sup>\</sup>label{eq:stars} {}^8 The only remark - even-tangentially - related - to - inheritance - was - one - woman's - comment: - "When - I-die, - my-daughter's - reaction - is - going - to - be, - 'Mother's - dead? - That's - too-bad. - WHERE'S - THE - JEWELRY?" - too-bad. - too-bad.$ 

<sup>&</sup>lt;sup>9</sup>A-similar-question-was-asked-in-the-1995-SCF,-with-similar-results.-

	Spending-	Spending-	
	Usually-	Exceeded-	
	Exceeds-	Income-	
	Income-	this-year-	
With-kids-	.05-	.23-	
No-kids-	.00-	.00-	

Table-2:-Saving-By-the-Wealthy-Elderly-With-and-Without-Children-

Another-option-is-to-consider-what-childless-elderly-people-say-about-their-saving-andspending-behavior.- Respondents- to- the-1992- and-1995-SCFs- were-asked-whether-theirspending-was-greater-than,- equal-to,- or-less-than-their-income-over-the-past-year,- andhow-spending-usually-compared-with-income.- The-results-are-presented-in-Table-2.<sup>10</sup> Thechildless-elderly-were-*less*-likely-to-say-that-they-dissave-than-those-with-children,-by-thiscrude-measure,-either-as-a-general-rule-or-in-the-current-year-in-particular.- Of-course,-itis-possible-that-some-of-the-"spending"-of-the-elderly-with-children-consists-of-*inter-vivos*transfers- to-those-children.- The-real-problem-for-the-Life-Cycle-model-is-the-testimonyof-the-childless,-wealthy-elderly,-essentially-none-of-whom-say-that-their-spending-exceedstheir-income.- This-is-all-the-more-impressive-given-the-comparatively-small-fraction-of-theirincome-that-is-annuitized.-

Given-the-paucity-of-publicly-available-data-on-the-very-wealthy,-it-is-not-surprisingthat-the-economic-literature-contains-almost-no-empirical-studies-that-shed-any-light-onthe-behavior-of-the-childless-wealthy-elderly-(although-there-have-been-several-studies-thathave-examined-the-behavior-of-*non-wealthy*-childless-elderly-households,- and-have-foundthat-they-do-not-dissave;-see,-e.g.,-Menchik-and-David-(1983)-and-the-references-therein).-I-was-able-to-find-only-one-study-that-contains-even-tangential-information-on-the-subject,a-paper-by-Auten-and-Joulfaian-(1996)-which-uses-a-proprietary-dataset-compiled-by-the-Internal-Revenue-Service-on-1982-decedents-who-paid-estate-taxes.- From-figures-in-their-Table-1,-p.- 62-it-is-possible-to-calculate-that-the-mean-wealth-of-the-childless-decedents-

 $<sup>^{10}</sup>$  There is a strong correlation between the level of net worth and the answer to these questions. The median net worth of consumers who said their consumption regularly exceeded their income was \$47,599; that of consumers who said their consumption did not usually exceed their income was \$154,079.

was-virtually-identical-to-that-of-those-with-children-- hardly-what-would-be-expected-ifthose-with-children-had-a-powerful-dynastic-saving-motive-which-the-childless-(presumably)do-not-share.<sup>11</sup> Furthermore,- those-*with*-children-actually-contributed-slightly-*more*-tocharity-during-their-lifetimes-than-the-childless.- Again,-a-dynastic-motive-would-suggestthe-opposite.-Finally,-Auten-and-Joulfaian-found-no-significant-effect-of-children's-income-onthe-size-of-charitable-bequests.- This-finding-is-consistent-with-evidence-by-Wilhelm-(1996)who-found-little-support-for-the-altruism-model's-implication-that-the-size-of-bequests-infamilies-with-more-than-one-child-should-be-related-to-the-relative-lifetime-income-of-thechildren.- Instead,-Wilhelm-found-roughly-equal-bequests-in-about-80-percent-of-bequests.-

## 4 The Capitalist Spirit

This-section-presents-a-model-in-which-wealth-enters-consumers'-utility-functions-directly,and-argues-that-such-a-model-is-both-consistent-with-the-available-data-on-the-savingbehavior-of-the-wealthy-and-plausible-on-grounds-other-than-its-consistency-with-thesefacts.-Zou-(1994)-and-Bakshi-and-Chen-(1996)-have-recently-noted-that-Max-Weber-(1958)long-ago-argued-that-the-pursuit-of-wealth-for-its-own-sake-was-the-'spirit-of-capitalism,'and-so-I-will-call-this-the-'Capitalist-Spirit'-model.-

#### 4.1 The Model

Consider a consumer with lifetime wealth  $w_T$ . Suppose the utility function for lifetime consumption is a standard CRRA utility function,  $u(c_t) = \frac{e^{1-\rho}}{1-\rho}$ , and suppose the consumer also obtains utility from wealth in a modified Stone-Geary form,  $v(w_t) = \frac{(w+\gamma)^{1-\alpha}}{1-\alpha}$ . Formally, the consumer's maximization problem is:

$$\max_{c_t} \quad u(c_T) + v(w_{T+1})$$
(3)  
s.t.  $w_{T+1} = w_T - c_T.$ 

 $<sup>^{11}</sup> Of \text{-} course, \text{-} one-might-argue-that-the-'dynasty'-of-the-childless-couples-could-be-carried-on-by-nephews-and-nieces, or-second-cousins, or-any-other-heir-who-might-be-found. However, such-an-argument-only-intensifies-the-problems-with-the-dynastic-model-pointed-out-by-Bagwell-and-Bernheim-(1988), to-wit, that-sexual-reproduction-and-non-perfectly-assortative-mating-imply-that-eventually-one's-own-descendants-are-so-intermixed-with-everyone-else's-that-there-is-no-plausible-sense-in-which-a-'dynasty'-can-be-said-to-exist-at-all.-$ 

The problem as described thus far can be interpreted in either of two ways. The firstinterpretation is that the model describes a consumer deciding how to allocate lifetime resources between consumption and wealth, with wealth yielding utility directly. The second interpretation is of a consumer deciding how to allocate lifetime resources between lifetime consumption and end-of-lifetime wealth. (The reasons end-of-period wealth might yield utility include the "Joy of Giving" bequest motive mentioned above, and several others. See below for further discussion).

The-first-order-condition-for-an-interior-solution-to-this-problem-is:-

$$u'(c_T) = v'(w_{T+1})$$
 (4)  
 $c_T^{-\rho} = (w_T - c_T + \gamma)^{-\alpha}.$ 

Call the  $c_T$  which satisfies this equation  $c_T^*$ . It is clear that for sufficiently small  $w_T$  the equation will be satisfied only by choosing a  $c_T^*$  larger than  $w_T$ , that is, by ending with negative wealth. If we impose the condition that consumers may not die in debt, the solution to the problem is:

$$c_T = \operatorname{Min}[c_T^*, w_T]^{-}$$

 $\label{eq:spectrum} If \ensuremath{\cdot} \ensuremath{\circ} \ensuremath{\cdot} \ensuremath{\circ} \ensuremath{\cdot} \ensuremath{\circ} \ensuremath{\cdot} \ensuremath{\circ} \ensuremath{\cdot} \ensuremath$ 

The problem can be solved analytically if we choose  $\rho = 2$  and  $\alpha = 1$ . If we set  $\gamma = 1$  the solution is

$$c_T = \operatorname{Min}\left[\frac{-1 + \sqrt{1 + 4 (1 + w_T)^2}}{2^2}, w_T\right].$$
(5)

Define-the-saving-rate-as-the-fraction-of-beginning-of-period-total-assets-the-consumer-endsup-holding-at-the-end-of-the-period,  $w_{T+1}/w_T$ . Figure-6-shows-the-saving-rate-of-this-

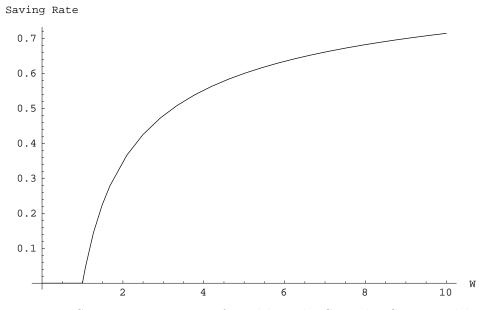


Figure 6: Saving as a Function of Wealth in the Capitalist Spirit Model-

consumer- as-initial- wealth- goes- from- 0- to- 10.- For- initial- wealth- between- 0- and- 1- theconsumer-saves-nothing,-but-above-initial-wealth-of-1-the-saving-rate-rises-monotonically.-Furthermore,-as- $w_T \rightarrow \infty$  the-saving-rate-approaches-100-percent.-

The essential insights from this model carry over when the model is extended to many periods and when labor and capital income are incorporated: consumers with permanent income below a certain threshold will behave like standard Life Cyle consumers and will try to spend all their assets before death, while consumers with permanent income above the threshold will save at ever increasing rates as lifetime income rises.

The idea that bequests (charitable or otherwise) are insignificant for most of the population, but become increasingly important in the upper reaches of the lifetime income distribution, has been informally expressed by several previous authors. Indeed, Modigliani (1986) himself has argued that, to the extent that bequests must be included in the Life Cycle framework, they should be incorporated in precisely this "luxury good" manner. There is also a growing body of empirical evidence in support of the proposition. Dynan, Skinner, and Zeldes (1996) examine data from several micro datasets and find consistent and strong evidence that households with higher lifetime income leave larger bequests; Lillard and Karoly-(1997)-find-similar-results.-

In theoretical terms, the value added in this paper relative to the previous literature is simply the proposal of a specific and simple functional form for the consumer's utility function which captures the informal idea that rich people save more in a way that is at least roughly consistent with the empirical evidence marshalled above. But such consistency may not be a high enough standard.

"Utility-maximization-is-a-metaphysical-concept-of-impregnable-circularity." - Joan-Robinson-(1962), - Economic-Philosophy, - Ch. - 3.-

#### 4.2 Informal Evidence

The essence of Joan Robinson's complaint about utility theory was that it is possible to construct a utility function to justify any conceivable behavior: Just assume that the behavior in question yields more utility than its alternatives. Any postulated utility function, or proposed modification to a standard utility function, should therefore be defensible on grounds other than its ability to match the facts it was created to match. This section argues, using a variety of informal evidence, that most qualitative descriptions of the behavior of the wealthy, both by the wealthy themselves and by outside observers, can be interpreted at a fundamental level as implying that wealthy people derive utility either directly from the ownership of wealth or indirectly, either from the activities that lead to wealth accumulation or from a flow of services that is closely tied to the ownership of that wealth.

The first-important argument about the plausibility of the Capitalist Spirit model concerns the assumption that the marginal utility of consumption decreases sharply with the level of consumption. What matters critically here is really the assumption that there is an alternative way to employ wealth whose marginal utility decreases more slowly than that of consumption (and hence will be a luxury good relative to consumption). It is important to recall that the kind of consumption treated in the model is for strictly nondurable goods and services. Carroll and Inhaber (1992) note that "luxury" goods that are generally as sociated-with-the-wealthy-such-as-art,-estates,-jewelry---even-sports-teams---are-almostall-assets.- Indeed,-beyond-a-certain-level-of-wealth-it-becomes-difficult-to-imagine-howone-could-spend-even-the-earnings-on-one's-wealth-on-nondurable-goods-and-services-forpersonal-enjoyment.- For-example,-recent-press-accounts-have-estimated-Bill-Gates's-networth-at-\$40-billion.- Assuming-a-ten-percent-annual-rate-of-return,-Gates-would-have-tospend-\$4-billion-a-year,-or-over-\$10-million-a-day,-on-nondurable-goods-and-services-simplyto-avoid-further-accumulation.-

The proposition that the marginal utility of consumption approaches zero as the level of consumption rises is also lent credence by statements of wealthy people themselves. And rew Carnegie, Cornelius Vanderbilt, and other fabulously wealthy people refer to their "surplus" wealth, and of determining when one has "enough" wealth. H.L. Hunt, then the richest man in the world, once said that "for practical purposes, someone who has \$200,000 a year is as well off as I-am." Similar statements (appropriately adjusted for inflation) have been attributed to William Henry Vanderbilt and John Jacob Astor, two 19th century plutocrats.

One of the appealing features of the idea that rich people eventually reach near satiation in their consumption of nondurables is that this means one need not assume a towering and obsessive greed-lies behind their continuing accumulation. If 'greed' is defined as a desire to possess wealth for its own sake, even a modest amount of greed will suffice, so long as greed does not diminish with wealth as fast as the marginal utility diminishes with consumption. Or, to put the idea more concretely, if ownership of extra houses, yachts, artwork, or, for that matter, corporations has even a modest intrinsic appeal, eventually that appeal is likely to exceed waning lure of an extra dollar of nondurable consumption. Of course, this is merely another way of saying that ownership of these kinds of wealth yields utility directly, as the basic Capitalist Spirit model assumes.

Of-course, towering-and-obsessive-greed-cannot-always-be-ruled-out.

"The point-is-that-you-can't-be-too-greedy." - Donald-Trump-(1988), -in-Trump:-The Art of the Deal, ch. 2. - "Greed-is-good." - Ivan-Boesky, -in-an-address-to-business-school-students, - University-of-California-at-Berkeley, -1987. -

"The one with the most toys when he dies, wins." - Anonymous

And, - among- the- 19th- century- plutocrats, - according- to- historian- Frederic- Cople- Jaher-(1980),-

Money-making- and- keeping,- not- adorned- or- rationalized- by- nobler- explanations,- actually- constituted- a-powerful-force-in- the-lives- of- the- very-rich.- Asboys,- [Mining- magnate- William- Boyce]- Thompson- and- [John- D.]- Rockefellervowed to accumulate a fortune. -Thompson... and [Andrew] Carnegie promised themselves- to- retire- after- reaching- a- certain-level- of- wealth,- but- kept- pushingonward.- Rogers,- a- Rockefeller- disciple- and- associate,- said- that- the- Standard-Oil- partners- made- the- profit- motive- a- 'religion,'- a-faith- 'taught'- them- by- 'Mr.-Rockefeller.'-

To the extent that these quotations express the general truth about the motivations of the wealthy, the Capitalist Spirit model can be said to apply directly. However, the view that all wealthy people are motivated solely by a love of wealth for its own sake is surely extreme. A variety of other plausible, and apparently very different, motivations are commonly proposed, ranging from job satisfaction to status-seeking to philanthropic ambitions to power-lust. The remainder of this section argues that, from a modelling standpoint, these other common ideas different though they may be from a psychological perspective are essentially indistinguishable from each other and from the basic Capitalist Spirit model in terms of their implications for individual behavior. The argument, therefore, is that if *any* of these several proposed motivations is correct, the Capitalist Spirit model constitutes an appropriate mathematical model of the behavior of the wealthy.

Perhaps-the-most-obvious-example-of-a-psychologically-very-different-model-which-wouldbe-behaviorally-indistinguishable-from-the-wealth-in-the-utility-function-model-is-the-ideathat-the-wealthy-enjoy-doing-their-jobs-well,-and-that-they-view-the-accumulation-of-wealthas-the-principal-measure-of-job-performance. This-idea-appears-frequently-both-in-thestatements-of-the-wealthy-themselves-and-in-commentary-by-others-on-the-behavior-of-thewealthy. Two-particularly-direct-statements-are:-

"The-rich-man's-'duty,'-such-as-it-is,-is-not-to-society-but-to-his-art,-and-hisart-is-making-money."- Michael-Lewis,-The-New-York-Times-Sunday-Magazine,-July-1995-

"Money's-just-a-way-of-keeping-score.- It's-the-game-that-matters."- H.-L.-Hunt,-cited-in-Jaher-(1980),-p.-215-

A-closely-related-idea-is-suggested-by-the-work-of-Robert-Frank-(1985),-who-has-arguedthat-an-intrinsic-component-of-human-nature-is-a-tendency-to-judge-oneself-by-comparisonwith- others.- If- for- some- wealthy- people- wealth- is- the- metric- of- comparison,- the- utilityfunction- should- contain- not- the- absolute- level- of- their- wealth- but- some- function- of- therelationship-of-their-wealth-to-that-of-others.- Bakshi- and-Chen-(1996),-Cole,-Mailath,- and-Postlewaite- (1992),- and-Zou- (1994)- have- also- argued- that- wealth- matters- because- it- is- anindex-of-social-status.<sup>12</sup> For-practical-purposes-of-analysis-of-household-level-data,-however,either- of-these-ideas- is-virtually-indistinguishable-from- the- proposition- that- wealth- entersthe-utility-function-directly,- and- both-ideas-should-produce-essentially-identical-results- ina-model-of-saving- (although-they-might-have-different-implications-for-optimal-tax-policy;see- the-discussion-below-and-the-paper-by-Frank-in-this-volume).<sup>13</sup>

It-is-also-possible-that-wealthy-people-continue-accumulating-because-greater-wealthyields-some-other-benefit-that-is-more-difficult-to-measure,-such-as-power.- In-particular,-

<sup>&</sup>lt;sup>12</sup>There-is-also-a-growing-literature-exploring-the-consequences-if-the-utility-obtained-from-consumption-depends-on-a-comparison-of-consumption-to-a-reference-stock-determined-either-by-one's-own-past-consumption-(Carroll,- Overland,- and- Weil-(1995);- Campbell- and- Cochrane-(1995);- Constantinides-(1990))-or- the-consumption-of-others-(Abel-(1990);- Carroll,- Overland,- and- Weil-(1996)).-

<sup>&</sup>lt;sup>13</sup>One-problem-with-the-particular-specifications-of-Bakshi-and-Chen-(1996)-and-Zou-(1994)-is-that-their-specifications- imply- that- consumers- with-zero- wealth- would-have-negative- infinite- utility. According- to-the-SCFs,- however,- about- ten-percent- of- the-population- has-zero- or-negative- net- worth. Furthermore,- their-model- does- not-necessarily- predict- that- high-lifetime- income- consumers- will-save- more- than-those-with-low-lifetime-income. Finally, there-is-a-growing-consensus-that-the-standard-Life-Cycle-model,- with-an-appropriate-treatment-of- uncertainty,- does- a-fairly-good-job-of-describing-the-behavior- of- the-typical-household-without-any-need-for-important-direct-effects-of-wealth-on-utility. Only-at-the-upper-reaches-of-the-wealth-distribution-does-behavior-unmistakably-diverge-from-the-model's-predictions.-

the view-that-wealth-brings-power-is-commonplace-among-both-the-wealthy-themselves-andobservers-of-the-wealthy.- (The-idea-that-power-is-desirable-appears-to-be-taken-for-granted.)-

"The ultimate gift of colossal wealth, at least for the founders of the richest families, was power." Jaher (1980), p. 215-

"Money-is-the-measuring-rod-of-power."- Howard-Hughes-

"'Twasn't-the-money-we-were-after,-'twas-the-power.- We-were-all-playing-forpower.- It-was-a-great-game."- James-Stillman,-Gilded-Age-financier,-cited-in-Jaher-(1980)-

"If-you-give-away-the-surplus-[money],-you-give-away-the-control."- Cornelius-Vanderbilt,-cited-in-Jaher-(1980)-

"Tis-a-sort-of-duty-to-be-rich,-that-it-may-be-in-one's-power-to-do-good,-richesbeing- another- word- for- power."- Lady- Mary- Wortley- Montagu- (1689-1762),-English-society-figure,-letter-writer.- Letter,-c.- 24-Sept.- 1714,-to-her-husband,cited-in-Jaher-(1980).-

This-last-quotation-raises-a-final-idea-that-crops-up-frequently-in-the-statements-of-thewealthy-themselves:- that-the-purpose-of-accumulating-wealth-is-ultimately-to-enable-thewealthy-person-to-pursue-philanthropic-activities,-or-to-establish-institutions-to-carry-outsuch-activities.- While-such-an-evidently-self-serving-interpretation-should-be-subject-toconsiderable-skepticism,-there-are-many-prominent-examples-of-philanthropy-that-bear-outthe-proposition.- The-Ford-Foundation,-the-Rockefeller-Foundation,-Carnegie-Mellon-University,-Duke-University,-Johns-Hopkins-University,-the-Getty-museum,-and-a-host-of-otherprominent-institutions-owe-either-their-existence-or-a-substantial-part-of-their-endowmentsto-the-munificence-of-wealthy-individuals-(often,-although-not-always,-manifested-throughbequests).- Morally,-socially,-and-psychologically-this-motivation-for-wealth-accumulation-isvery-different-from-pure-greed.- However,-if-more-wealth-allows-one-to-establish-a-larger-foundation-or-endow-more-institutions,-the-implications-for-saving-behavior-are-again-virtuallyindistinguishable-from-the-idea-that-wealth-enters-the-utility-function-directly.-

#### 5 Death and Taxes

Assuming-that-the-Capitalist-Spirit-model-provides-a-roughly-correct-description-of-the-behavior-of-wealthy-households,-a-natural-question-to-ask-is-what-the-model-implies-about-therelationship-between-accumulation-behavior-and-taxes.<sup>-14</sup> Returning-to-the-parameterizedversion-of-the-model-in-which- $\rho = 2$  and  $\alpha = -\gamma = -1$ ,-if-bequests-(or-wealth)-are-taxed-atrate- $\tau$  then-the-equation-for-optimal-consumption-becomes:-

$$c_T = \min[\frac{-1 + \sqrt{1 + 4(w + \gamma/(1 - \tau))^2}}{2^2}, w_T].$$
 (6)

Figure 7-shows-the-effect-on-consumption-if-bequest-taxes-are-increased-from-40-percentto-80-percent. Consider-first-the-curve-labelled- $\tau =$ -.4, which-shows-the-optimal-amount-ofconsumption-for-consumers-facing-a-40-percent-bequest-tax-if-bequests-are-not-constrainedto-be-positive. The-actual-consumption-function, of-course, is-the-minimum-of-the-45-degreeline-and-this-curve. The-point-of-intersection-of-this-curve-and-the-45-degree-line, labelled- $\omega_1$ , reveals-the-level-of-lifetime-wealth-at-which-consumers-begin-to-leave-positive-bequests.

When the bequest tax is raised to 80 percent, the amount of consumption shifts up, as indicated in the curve labelled  $\tau = .8.$  The point at which consumers begin leaving bequests,  $\omega_2$ , is substantially higher than when the tax rate was 40 percent.

Hence, it is useful to think of the effects of raising the bequest tax by considering three categories of consumers. The first are those with lifetime wealth less than  $\omega_1$ . They leave bequests under neither tax regime, so their behavior is unaffected by the tax increase. The second region is those consumers with lifetime wealth between  $\omega_1$  and  $\omega_2$ . These are the consumers who would leave bequests if the bequest tax were only 40 percent, but prefer to consume all of their lifetime wealth when the bequest tax rises. Finally, consumers with lifetime wealth greater than  $\omega_2$  will leave bequests even when the bequest tax is 80 percent.

 $<sup>^{14}</sup>$ I-should-note-here-that-the-following-analysis-is-really-only-correct-for-those-interpretations-of-the-modelin-which-consumers-care-about-the-absolute-level-of-wealth-or-consumption. If, instead, utility-from- $w_{T+1}$  depends-on-how-large-one's-own- $w_{T+1}$  is-compares-to-the- $w'_{T+1}s$  of-others, bequest-taxes-would-likely-havea-much-smaller-effect-than-that-discussed-below. For an analysis-of-related-issues-in-income-taxation, seethe-paper-by-Frank-in-this-volume.

However, -at-any-level-of-lifetime-wealth-the-size-of-the-bequests-they-leave-is-reduced-by-anamount-equal-to-the-gap-between-the-two-consumption-curves. It-is-simple-to-show-that-aslifetime-wealth-goes-to-infinity-the-fraction-of-lifetime-wealth-bequeathed-approaches-100percent-even-with-the-higher-bequest-taxes. This-is-the-region-of-the-model-presumablycorresponds-best-to-the-circumstances-of-fabulously-wealthy-people-like-Bill-Gates.-

Because the effect of taxes on consumption depends on the distribution of consumers across the different levels of lifetime income, the aggregate effect of bequest taxes in this model is impossible to judge in the absence of evidence (or assumptions) about the distribution of lifetime income (and information about the parameters of the model). If most bequests come from people with  $\omega_1 < w_T < \omega_2$ , then an increase in the bequest tax could reduce bequests almost to nothing. If, on the other hand, most bequeathed wealth comes from consumers with very large amounts of lifetime income, increasing the bequest tax might have very little effect on either consumption or (pre-tax) bequests.

In-principle, it should-be-possible-to-tease-out-estimates of the relevant-parameter-values-from-available-data-on-wealth, -consumption-and-income, -using-methods-like-those-employed-in-an-impressive-recent-paper-by-Gourinchas-and-Parker-(1996).- Those-authors-assume-a-"residual-value-function"-that-characterizes-the-utility-experienced-during-the-last-part-of-life-that-is-mathematically-very-similar-to-the-"bequest-utility"-function-postulated-in-the-model-here.- Gourinchas-and-Parker-assume-that-the-coefficient-of-relative-risk-aversion-for-the-residual-value-function-is-the-same-as-for-the-period-utility-function, - and-they-do-not-incorporate-a-Stone-Geary-term-like-my- $\gamma$ , -but-their-estimation-methodology-could-easily-be-adapted-to-estimate-those-two-additional-parameters.- Having-estimated-those-parameters, they-could-then-perform-simulations-to-gauge-the-predicted-impact-of-changes-in-bequest-taxes-on-consumption.-

# 6 Conclusions

A-variety-of-evidence,-both-qualitative-and-quantitative,-strongly-suggests-that-people-atthe-top-end-of-the-wealth-and-income-distributions-behave-in-ways-that-are-substantially-

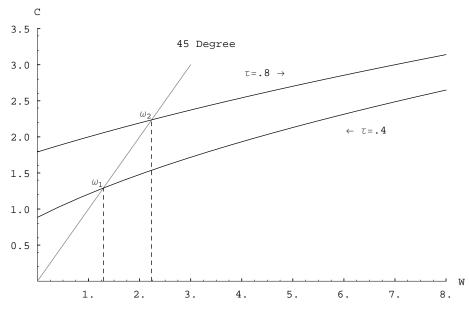


Figure-7:-Effect-on-Consumption-of-an-Increase-in-Bequest-Taxes-

different-from-the-behavior-of-most-of-the-rest-of-the-population.-In-particular,-it-is-difficultto-explain-the-behavior-of-these-consumers-using-the-standard-Life-Cycle-model-of-consumption.-A-leading-alternative-to-(or-perhaps-just-an-extension-of)-the-Life-Cycle-modelis- the-Dynastic-model-in-which-the-decisionmaker-cares-about-the-utility-of-his-descendants.-The-Dynastic-model,-however,-has-problems-of-its-own,-starting-with-the-testimonyof-many-wealthy-households-who-say-that-providing-an-inheritance-is-not-a-principal-motivation-for-saving-and-ending-with-the-fact-that-childless-wealthy-old-people-do-not-appearto-dissave.-I-argue-that-the-simplest-model-capable-of-fitting-all-the-facts-is-a-model-inwhich-wealth-either-enters-the-utility-function-directly-as-a-luxury-good,-or-wealth-yields-astream-of-services-that-enter-the-utility-function-in-ways-that-would-be-formally-virtuallyindistinguishable-from-a-model-in-which-wealth-enters-the-utility-function-directly.-

In-a-way, - the-model-reconciles-Fitzgerald- and - Hemingway. - Fitzgerald- was-right-thatrich-do-not-behave-simply-as-scaled-up-versions-of-everyone-else. - They-choose-to-save-moreand-to-accumulate-faster-because-they-can-"afford"-the-luxury-of-doing-so. - But-Hemingwaywas-right-to-suggest-that-the-rest-of-us-would-probably-behave-the-same-way, - if-only-wehad-more-money.-

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