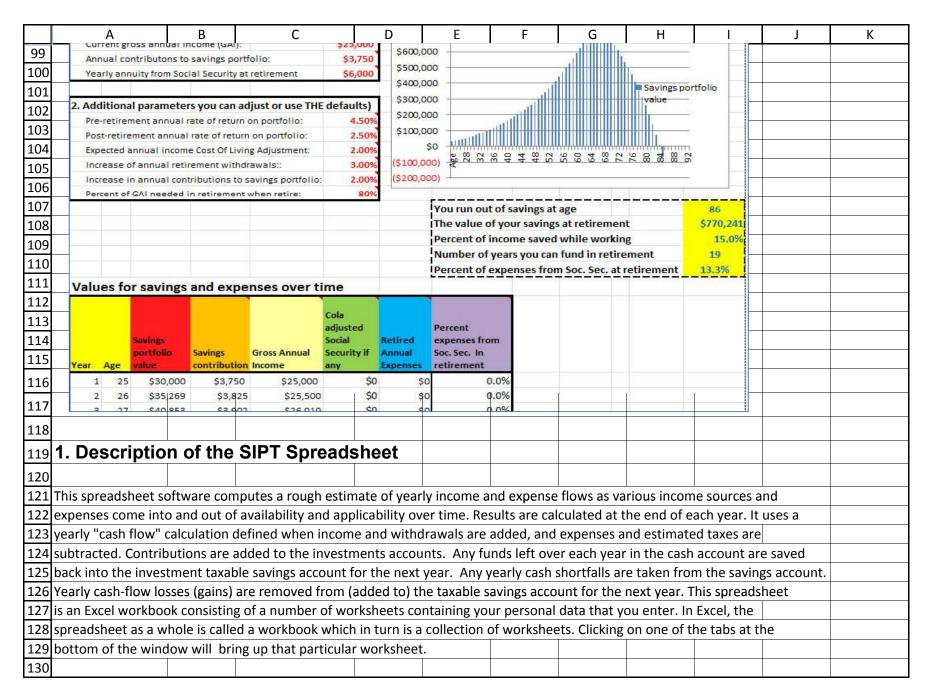
	А	В	С	D	E	F	G	Н	I	J	K	
1	File: SIPT.xls		Elementary glide-	path calcu	lator (Sim	oleCalc)		Next SIPT	workshee	t (Assump	tions)	
2												
3	Simplified I	ncome	-Stream Plai	nning T	ool							
4	Calculate Glide-P	ath from y	early Cash-flows,	Income Str	reams, Exp	enses, Inv	estment A	ccounts ar	nd Taxes			
5												
6	This Excel spreadsh	neet is a pla	nning tool for peop	le who wan	t to plan fo	r future sav	ing and spe	ending need	ds, want to	get rough		
7	estimates of their	saving and	spending patterns, a	and are willi	ing to enter	summarie	s of their pe	ersonal fina	ncial data ı	equired to		
8	compute this. Fina	al results ar	e shown in summar	y tables and	d glide-path	graphs of	those table	s. All data a	are entered	and		
9	calculated in this s	preadsheet	. No data are expor	ted from the	e spreadsh	eet. From th	ne data ent	ered, the sp	readsheet	estimates		
10												
11	contributions and	withdrawa	ls from tax-deferred	l IRAs, Roth	s and Savin	gs investm	ent account	s. It estima	ites yearly i	nvestment		
12	returns and taxes of	on investme	ent returns, expense	es. Next it e	stimates ye	arly Federa	I tax rates a	and resultin	ng cash-flow	s. It allows		
13	for scheduled and	irregular co	ntributions and wit	hdrawals fo	r investme	nt accounts	(IRA, Roth	, Savings) a	s well as sch	neduled-		
14	and-irregular expe	nses and de	eductions and then	calculates y	early net w	orth. It can	be useful for	or investiga	ting various	s planning		
15	scenarios by makir	ng changes	and seeing how tha	t affects the	results.							
16												
17	It can be used in a	variety of s	preadsheet progran	ns such as V	Vindows Ex	cel, the free	e OpenOffic	e or LibreO	office "calc",	, Google		
18	"sheet", etc. since	it doesn't u	se Microsoft Visual	Basic becau	ıse VBA ma	y not be av	ailable in al	l spreadshe	eet program	s. Apple		
19	"numbers" spread	sheet progr	am has some incom	patibilities,	, so use one	either Exce	el for Mac o	r one of th	e free sprea	dsheet		
20	programs. It does i	not save da	ta on the Internet. \	Why model?	? Although	all models v	will be inacc	curate, havi	ing a rough	estimate		
21	can be useful for p	lanning pur	poses. The spreads	heet is a cor	mpromise b	etween cor	mplexity an	d complete	eness and le	ans in the		
22	direction of a simp	ler model.	It is an educational	tool. As stat	tistician Ge	orge Box no	ted "All mo	dels are w	rong, but so	me are		
			lide-path calculator				pt that may	be useful	to experime	ent with		
_	to better understa	nd the cond	ept of glide-path be	efore using t	the full spre	eadsheet.						
25												
26	Recent revisions:	Revised:	12/9/2015		V.0.22.4	Beta**						
27		Revised:	7/14/2016		V.0.24.14	Beta**						
28		Revised:	7/20/2016		V.0.24.15	Beta**						
29		Revised:	8/5/2016		V.0.24.16	Beta**						
30	See	Appendix I	2	for list of o	utstanding i	ssues (thing	gs TODO), a	nd extende	d REVISION	-LIST		
31												
32	Note: The spreadsh	neet will be	revised each year af	ter new Tax	Tables & C	ap-Gains/Di	iv. rates & t	ax rules are	announced			
33												

	А	В	С	D	Е	F	G	Н	ı	J	K		
34	© P. Lemkin 2012-2	2016											
35	GNU General Public	c License, v	ersion 3.0 (GPLv3) at	-	http://oper	nsource.org	/licenses/gr	ol-3.0.html					
36	See the full license de	escription se	ctions 15. Disclaimer o	of Warranty a									
37													
38	** For more on Bet	a-level soft	tware see	https://en.	wikipedia.o	rg/wiki/Sof	tware_relea	se life cyc	<u>le</u>				
39													
40	"Forever	Data"											
41													
42	S SERVICE CONTROL OF THE		o wait - one more ti	TO THE REAL PROPERTY AND ADDRESS OF THE PARTY	AND DESCRIPTION OF THE PARTY OF								
43	Vers	ion 0.123.	7 No, still not quite	right. 😕	Done! 🙂								
44	i	/ersion 0.1	23.8 Well, still not	quite there	yet. 😕 Do	ne! 🙂							
45	Version 0.123.9 Added a new feature competing software has. 🖭 Done! 🙂												
46	Version 0.123.10 Oops, didn't implement feature correctly. 😕 Done! 🙂												
47	i	Version 0.123.10 Gops, diant implement feature correctly. @ Done! @											
48	!	•											
49													
50	Cartoon by Ta	rTar, 10-15	-2015										
51	15.0-0.50.50.50.50												
52	Table of Conte	nts for In	troduction										
	Introduction												
54	1. Description of th												
55			ions that can be inve	estigated us	ing this spre	eadsheet							
56	1.2 The types of	•											
57	1.3 How the spre												
58			ndrawals and Expens										
59		g - Running	out of money and a	ge entry ch	ecking								
-	2. Disclaimer												
	3. Directions for us												
_			orksheet tables in A	ppendix A									
_	5. Notes on current	version of	the spreadsheet										
64													
_	Documentation in												
66	Click on the any of	the followir	ng hyperlinks to go t	o the works	heets								

	А	В	С	D	E	F	G	Н	1	J	К		
67	Assumptions	Summary li	ist of all settings in S	etup, and A	geData thr	ough Expen	seData wor	rksheets					
68	Results	Glide-path	of income from Inco	ome & With	drawal soui	ces less Exp	enses & Ta	ixes					
69	Resources	Lists of arti	cles, literature, web	sites relate	d to financi	al planning							
70	<u>Figures</u>	Screen sho	ts & descriptions illu	ustrating ho	w the sprea	dsheet wor	ks						
71	Appendix A	List of all w	orksheets describin	g their table	es and section	ons							
72	Appendix B	Extra calcu	lators (not tied in w	ith the rest	of the sprea	idsheet)							
73	Appendix C	Glossary - d	definitions of terms	used in the	spreadshee	t							
74	Appendix D	List of outs	tanding issues (Thin	gs TODO an	d CHECK), a	ind REVISIO	N-LIST Histo	ory					
75	FAQ	Answers to	Frequently Asked (Questions									
76													
77													
78	Introduction												
79	introduction												
80	While you are savir	ng for future	e expenditures such	as retireme	nt, a new h	ouse, colleg	e educatio	n for your cl	hildren you				
	· ·	_	g enough or spendin										
82	at your finances ov	er time. Ho	w does it change wi	th the contr	ibutions to	savings duri	ng your acc	cumulation	phase				
83	and how rapidly yo	ur savings a	re being depleted d	luring retire	ment? It ca	n be useful t	to periodica	ally check ho	ow you				
84	are doing to make	sure you're	still on track to read	h your goal	s, and if not	what might	you chang	ge to improv	e your				
85	retirement glide pa	ith.											
86													
87	The full Simplified	Income-Str	eam Planning Tool	SIPT) in the	remainder	of this sprea	adsheet let	s you enter	detailed pe	rsonal			
-	•		stions more accurat			· · · · · · · · · · · · · · · · · · ·	·						
	·		ators available on-li	1		1							
	types of calculation			SimpleCald				ing screens					
91	• • • • • • • • • • • • • • • • • • • •		example, the portfo							1			
-	0 / 0 1												
_	, , ,												
94									1 11				
95 96	1. Enter your data i				Sav	ings por	tfolio va	lue					
97	Your current age (s		if <u>already</u> retired):	\$900,									
98	Current value of sa	LANGUAGE AND	\$30	\$800,	DOME:								



	А	В	С	D	Е	F	G	Н	I	J	K
131	Setting up the sp	readsheet									
132	Use the S. Setup we	orksheet to	specify which works	sheets you r	need to fill o	out. It works	s with one p	erson S1 or	two spous	es we call	
133	S1 and S2. In Excel,	you switch	between worksheet	ts by clickin	g on the wo	rksheet tab	at the bott	om of the E	xcel windov	w or by	
134	clicking on workshe	eet hyperlin	ks (blue font with ar	n underline)	available th	roughout t	he spreadsl	neet. The R.	Results wo	rksheet	
135	summarizes data co	omputed or	the other data wor	ksheets bot	h as tables	and then gr	aphs of the	data in the	tables.		
136	This is updated who	en you char	nge any of the other	worksheets	data.						
137											
138	Depending on your	level of exp	pertise and familiarit	ty with finar	ncial terms,	you may w	ant to read	Appendix C	(glossary o	f	
139	financial terms) bef	<u>fore</u> enterin	g your data. In addit	tion, this sp	readsheet r	equires you	to switch b	etween dif	ferent work	sheets	
140	that focus on partic	<i>cular</i> types	of data (e.g., work ir	ncome, Soci	al Security b	penefits, IR	As, expense	s, etc.).			
141											
142	Types of persona	l data requ	uired								
143	One or more incom	ne sources c	an be defined and ir	nclude: wor	k income, po	ensions, Soc	cial Security,	, and <i>annui</i>	ty payouts .	There	
144	are three types of i	nvestment	accounts including:	tax-deferre	d deductabl	le IRA, Roth	IRA and Sa	vings (taxal	ole investme	ents), bank	
145	bank accounts, and	l CDs). For p	ourposes of the sprea	adsheet, 40	1(k), 403(b)	, 457(b), Tr	aditional-IR	A, Rollover	IRAs are co	nsidered to	
146	contributions and b	oe tax-defer	red IRAs. Similarly a	Roth-401(k) is conside	red a Roth I	RA. This is	because wl	nen you ret	ire,	
147	retirement account	ts can be ro	lled over to "Rollove	er-IRA" and	Rollover-Ro	th" accoun	ts. You may	make both	scheduled	and	
148	irregular contributi	ons/withdra	awals to each of the	spreadshee	et investmei	nt accounts	. An irregula	ar event is a	one-time e	event	
149	occurring on a part	icular year.	You may specify exp	enses as bo	oth schedule	ed and irreg	gular events	. You might	t think abou	ıt your list o	f
150	future irregular exp	enses as a	planning tool for yo	ur future ex	cpenses in y	our "Bucke	t-List" - suc	h as college	expenses,	retirement,	
151	trips, gifts, etc. (See	e the discus	sion of the 2007 con	nedy film <u>Tł</u>	ne Bucket Li	<u>st</u>	http://en.v	vikipedia.or	g/wiki/Bucl	<u>ket_list</u>	for a nice
152	definition.) The spr	eadsheet ca	alculates your remai	ning assets	yearly so yo	u can used	this for plan	nning future	e expenses.		
153											
154	If the cash-flow is e	ver negativ	e for a particular yea	ar, It takes t	he shortfall	from the ta	axable savin	gs account	(9. Savings	Data).	
155	If this is a problem,	one could	possibly increase sor	me of the in	come sourc	es (IRA or F	ROTH) other	than taxab	le savings a	nd/or	
156	lower expenses to	make the ca	ash-flow positive if it	was down	a lot. The sp	preadsheet	will warn yo	ou if this ha	ppens in R.F	Results	
157	section R.8 .										
158											
159	1.1 Some exam	nples of c	uestions that c	an be inv	estigated	d using th	nis spread	dsheet			
160	Q.1 Will I run out o	of money du	ring retirement?								
161	Given expected inc	ome source	s and expected expe	enses in ret	irement, wil	ll I run out d	of money. If	I save more	or spend l	ess,	
162	work shorter or lon	nger - how w	will that affect my ca	ash flows? H	low much d	o I need to	save?				
163											

16.4 Q.1.1 Will the money being saved for college expenses (or a new home or cars, etc.) be adequate? 16.5 This is similar to question Q.1 but the future dates for the starts of the expenses may be nearer or farther out and the expense 16.6 amounts and savings income and savings amounts required are quite different. 16.7 This is similar to question Q.1 but the future dates for the starts of the expenses may be nearer or farther out and the expense 16.6 amounts and savings income and savings amounts required are quite different. 16.8 Q.2 When should I do withdrawals on my tax-deferred IRAS 16.0 Using the spreadsheet one could also do experiments, for example to determine whether taking some tax-deferred IRA 17.0 Required Minimum Distribution (BMD) without a penalty. If you take early IRA withdrawals once you are able to do it without 17.2 the added tax penalty (after 59 1/2) and the money if not needed then it could then be reinvested in tax-efficient 17.3 investments in a taxable savings account using broad-based low-cost low-turnover stock index and possibly muni bond 17.4 Index funds. This might possibly lower your RMDs and taxes later on for those who might be in a much a higher tax-bracket. 17.5 Both tax-deferred IRAS and Roth IRAS can be accessed at 59 1/2 without a tax penalty. This spreadsheet does not currently 17.6 check to see if you are doing or handle IRA withdrawals before 59 1/2. 17.7 17.7 17.7 18.0 3.0 When should I retire, claim Social Security, and how will this affect my savings? 17.9 The spreadsheet might also be used for helping to decide when to claim Social Security. Delaying claiming Social Security 18.0 period could be evaluated with experiments to try claiming Social Security at different ages and then comparing the total income 18.1 to Social Security. The total income needed from various income sources and additional withdrawals during the pre-claiming 18.1 period could be evaluated with experiments to try claiming Social Security at different dates for taking Social Security and inst		А	В	С	D	Е	F	G	Н	I	J	K	
amounts and savings income and savings amounts required are quite different. 167	164	Q.1.1 Will the mon	ey being sa	ved for college exp	enses (or a	new home	or cars, etc.) be adequ	ate?				
167 168 Q.2 When should I do withdrawals on my tax-deferred IRAs? 170 early withdrawals (before 70 1/2) might minimize going into a much higher tax bracket when one must start to take IRA 171 Required Minimum Distribution (RMD) without a penalty. If you take early IRA withdrawals once you are able to do it without 172 the added tax penalty (after 59 1/2) and the money if not needed then it could then be reinvested in tax-efficient 173 investments in a taxable savings account using broad-based low-cost low-turnover stock index and possibly muni bond 174 Index funds. This might possibly lower your RMDs and taxes later on for those who might be in a much a higher tax-bracket. 175 Both tax-deferred IRAs and Roth IRAs can be accessed at 59 1/2 without a tax penalty. This spreadsheet does not currently 176 check to see if you are doing or handle IRA withdrawals before 59 1/2. 177 178 Q.3 When should I retire, claim Social Security, and how will this affect my savings? 179 The spreadsheet might also be used for helping to decide when to claim Social Security. Delaying claiming Social Security 180 gives you a roughly 8% higher benefit for each year you delay (and that does not include the CPI adjustment made each year 181 to Social Security). The total income needed from various income sources and additional withdrawals during the pre-claiming 182 period could be evaluated with experiments to try claiming Social Security at different ages and then comparing the total income 183 stream against expected expenses and taxes. You might experiment with different dates for taking Social Security and instead 184 taking money from other accounts to used to provide income if needed before claiming. 185 185 186 Q.4 How will irregular expenses affect my future income stream through retirement? 187 You can experiment with seeing how adding irregular expenses affects your retirement income. This can be useful for example 188 to see how many trips a year you might take; how a pricy a private college or a less expensive public college	165	This is similar to qu	estion Q.1 l	out the future dates	for the star	ts of the ex	penses may	be nearer	or farther o	ut and the e	expense		
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Using the spreadsheet one could also do experiments, for example to determine whether taking some tax-deferred IRA 170 early withdrawals (before 70 1/2) might minimize going into a much higher tax bracket when one must start to take IRA 171 Required Minimum Distribution (RMD) without a penalty. If you take early IRA withdrawals once you are able to do it without 172 the added tax penalty (after 59 1/2) and the money if not needed then it could then be reinvested in tax-efficient 173 investments in a taxable savings account using broad-based low-cost low-turnover stock index and possibly muni bond 174 index funds. This might possibly lower your RMDs and taxes later on for those who might be in a much a higher tax-bracket. 175 Both tax-deferred IRAs and Roth IRAs can be accessed at 59 1/2 without a tax penalty. This spreadsheet does not currently 176 check to see if you are doing or handle IRA withdrawals before 59 1/2. 177 In a Q.3 When should I retire, claim Social Security, and how will this affect my savings? 178 Q.3 When should I retire, claim Social Security, and how will this affect my savings? 179 The spreadsheet might also be used for helping to decide when to claim Social Security. Delaying claiming Social Security 180 gives you a roughly 8% higher benefit for each year you delay (and that does not include the CPI adjustment made each year 181 to Social Security). The total income needed from various income sources and additional withdrawals during the pre-claiming 182 period could be evaluated with experiments to try claiming Social Security at different ages and then comparing the total income 183 stream against expected expenses and taxes. You might experiment with different dates for taking Social Security and instead 184 taking money from other accounts to used to provide income if needed before claiming. 185 Out an experiment with seeing how adding irregular expenses affects your retirement income. This can be useful for example 186 Q.4 How will irregular expenses affect my future	167												
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the added tax penalty (after 59 1/2) and the money if not needed then it could then be reinvested in tax-efficient 173 investments in a taxable savings account using broad-based low-cost low-turnover stock index and possibly muni bond 174 index funds. This might possibly lower your RMDs and taxes later on for those who might be in a much a higher tax-bracket. 175 Both tax-deferred IRAs and Roth IRAs can be accessed at 59 1/2 without a tax penalty. This spreadsheet does not currently 176 check to see if you are doing or handle IRA withdrawals before 59 1/2. 177 178 Q.3 When should I retire, claim Social Security, and how will this affect my savings? 179 The spreadsheet might also be used for helping to decide when to claim Social Security. Delaying claiming Social Security 180 gives you a roughly 8% higher benefit for each year you delay (and that does not include the CPI adjustment made each year 181 to Social Security). The total income needed from various income sources and additional withdrawals during the pre-claiming 182 period could be evaluated with experiments to try claiming Social Security at different ages and then comparing the total income 183 stream against expected expenses and taxes. You might experiment with different dates for taking Social Security and instead 184 taking money from other accounts to used to provide income if needed before claiming. 185 186 187 189 C.4 How will irregular expenses affect my future income stream through retirement? 189 planning; how expensive a house you might take; how a pricy a private college or a less expensive public college fits into your 189 planning; how expensive a house you might buy; etc. All these decisions will affect how your retirement income stream might 190 behave. 191 192 Q.5 How much more income could I earn long term if I have a more aggressive stock portfolio (more stocks)? 193 The stock/bond asset allocation model used here is fairly elementary using fixed average long-term returns of stocks and bonds 194 for the duration of the period used					<u> </u>								
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index funds. This might possibly lower your RMDs and taxes later on for those who might be in a much a higher tax-bracket. 175 Both tax-deferred IRAs and Roth IRAs can be accessed at 59 1/2 without a tax penalty. This spreadsheet does not currently 176 check to see if you are doing or handle IRA withdrawals before 59 1/2. 177 178 Q.3 When should I retire, claim Social Security, and how will this affect my savings? 179 The spreadsheet might also be used for helping to decide when to claim Social Security. Delaying claiming Social Security 180 gives you a roughly 8% higher benefit for each year you delay (and that does not include the CPI adjustment made each year 181 to Social Security). The total income needed from various income sources and additional withdrawals during the pre-claiming 182 period could be evaluated with experiments to try claiming Social Security at different ages and then comparing the total income 183 stream against expected expenses and taxes. You might experiment with different dates for taking Social Security and instead 184 taking money from other accounts to used to provide income if needed before claiming. 185 Q.4 How will irregular expenses affect my future income stream through retirement? 186 Q.4 How will irregular expenses affect my future income stream through retirement? 187 You can experiment with seeing how adding irregular expenses affects your retirement income. This can be useful for example 188 to see how many trips a year you might take; how a pricy a private college or a less expensive public college fits into your 189 planning; how expensive a house you might buy; etc. All these decisions will affect how your retirement income stream might 190 behave. 191 Q.5 How much more income could I earn long term if I have a more aggressive stock portfolio (more stocks)? 193 The stock/bond asset allocation model used here is fairly elementary using fixed average long-term returns of stocks and bonds 195 for the duration of the period used in the model However, us			-		-								
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196 stocks, etc. So you can see the effect of this over the long term. Note, that this spreadsheet model does not take varying returns													
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13/101 SEGUENCE OFFERINS INCORCCOUNT UND CALL AN REALIY ANELL LITE FESCILS II WILHOLAWAIS ALE LAKEN HOIN UND ACCOUNT OVER TIME.													

	А	В	С	D	Е	F	G	Н	1	J	K	
198												
199	Q.6 What is the eff	ect of diffe	rent levels of inflation	on on my sa	avings over	time?						
200	You can specify diff	erent expe	cted long term CPI (C	Consumer P	rice Index e	stimate of i	nflation) va	lues and se	e how that a	affects		
201	your savings and ex	penses nee	eded during retireme	nt. Instead	of using the	e default CP	I you set, yo	ou can spec	ify different	CPIs in you	ır	
202	income and expens	es in the di	fferent accounts tha	t may be m	ore or less t	han the def	fault CPI.					
203												
			of adding annuities									
	•		nuities for each spοι			•						
206	flow. Note that the purchase costs of adding fixed-annuities at different ages in the future can be viewed as irregular expenses.											
207												
208												
209	1.2 The types of	of data yo	ou will need to e	enter								
210	You must specify th	ne starting a	and ending ages for e	each income	e stream (w	ork, pensior	n, Social Sec	urity, and/o	or annuities),		
211	and do this indeper	ndently for	each spouse S1 and :	S2. You spe	cify the exp	ected avera	ige market i	eturns for s	stock and bo	onds		
212	(fixed income) in yo	our investm	ent portfolio. Histori	cally, rough	nly 90% of ye	our portfoli	o return is c	letermined	by your ass	et		
213	allocation (in this c	ase the sto	ck:bond ratio). In ad	dition, you	can specify	(the same o	r different)	Cost Of Liv	ing Adjustm	ents		
214	or COLAs for each o	of these inc	ome streams that inc	crease the i	ncome and	expenses by	y that perce	ntage each	year. You n	nay also		
	specify the expecte	d Consume	r Price Index (CPI) th	at can used	l as a defaul	t for the va	rious COLAs	you need t	o enter.			
216												
217	Types of Savings											
218	Similarly, you must	specify the	age ranges for sche	duled inves	tment (IRA,	Roth, taxab	ole Savings)	contributio	ns and with	drawals		
219	for S1 and S2. The I	RA and Rot	h accounts are optio	nal, but the	Savings acc	count is req	uired since	t is used to	reconcile th	ne cash-		
			ny) payouts are depo									
	-		ach year that increas									
			cur at any age or hav									
223	example, one could	l withdraw	money to buy a new	car, pay fo	r kids colleg	e, take a bi	g trip and b	uy a new h	ouse at the	same		
224	year. You specify th	ie age (e.g.	59) rather than the γ	/ear (e.g. 20)19) for the	events. It c	computes th	e sum of tl	ne schedule	d		
	5 and irregular contributions and withdrawals respectively each year. These are tracked separately for S1 and S2.											
226												
	Types of Expense											
			to contributions and							r		
		•	ly investment accou					•				
230	from the cash-flow.	. You can al	so specify scheduled	and irregu	lar deductio	ns that are	used for pa	rt of the tax	calculation	ıs.		

	А	В	С	D	E	F	G	Н	I	J	K
231	Otherwise, options	are similar	such as starting and	stopping ag	ges with an	expense CC	LA are spe	cified. A ro	ugh estimat	e of	
232	Federal and State t	axes that ar	re computed are sub	tracted from	m the cash a	account. No	te that Stat	e taxes are	estimated		
233	by a fixed percenta	ge not as a	AGI-dependent mar	ginal tax rat	te. Different	states may	also have v	arious ded	uction levels	5	
234	associated with diff	ferent types	s of pensions, etc. w	hich are not	taken into	account.					
235											
236	It can be used by	a single pe	erson (S1) or a cou	ıple (S1 an	d S2)						
237	If there is no spous	e S2, then j	ust <u>enter zeros</u> for al	ll income, co	ontribution	s, withdrawa	als, and exp	enses for S	2 entries.		
238	You can enter the s	ame age ra	nge as for S1 to simp	olify data er	ntry.						
239											
240	Limitations on th	e types of	calculations done	in the spre	eadsheet						
241	The computations (use estimat	es you specify for va	rious paran	neters and ι	uses a fixed	CPI, fixed C	OLAs, fixed	stock		
242	and fixed income re	eturns wher	reas in reality these a	all change y	ear to year.	It does not	address th	e problem	of sequence	of	
243	returns and sequer	nce of withd	Irawals that can radi	cally affect	long term r	eturns. The	reality is th	nat all future	e rates of re	eturns,	
244	CPIs, COLAs, tax rat	es, tax rule	s and schedules, ded	duction sche	edules, etc.	are unknow	n. Howeve	r, we know	they <u>will</u>		
245	vary and both of th	ese factors	can greatly affect fu	ture results	. Better me	thods such	as monte-c	arlo or rand	omized seq	uences	
246	of actual past retur	ns can impr	rove the model, but	still can not	guarantee	returns. Suc	ch advanced	d methods a	are beyond t	he scope	
247	of this spreadsheet	. Black Swa	n events do happen	- think 9/11	and the 20	07-Great Re	ecession. Sc	these resu	Its are really	1	
	ball-park estimates	, but that st	till may be useful for	r planning.							
249											
250											
251	1.3 How the sp	readshe	et works								
252	Each worksheet has	s an INSTR I	UCTIONS paragraph	in the begi	inning that	explains wh	at you need	to fill out i	n that work	sheet.	
253	A few figures illustr	ating some	of the aspects of the	e spreadshe	et are foun	d in the		Figures	worksheet.	Some of the	ج
	figures are for an o	lder version	of the spreadsheet	but give the	e general fla	vor of how	the worksh	eets work.			
255											
256	Personal configui	ration of th	he spreadsheet usi	ing the "S.	Setup: wo	rksheet					
257	You must first spec	ify which da	ata worksheets you v	want to use	. Go to the S	S. Setup wo	rksheet to s	pecify the t	ypes of acco	ounts	
258	that apply to your p	personal situ	uation in section S.1	(see Figure	1) and eith	er select "us	sed" or "ign	ored" for e	ach of the		
259	worksheet options. You may specify whether you want to include irregular contributions and withdrawals in the investment										
260	and expense accou	nts in sectio	on S.2 (see Figure 2).	Finally, yo	u can specif	y whether y	ou want to	add sched	uled contrib	utions	
			ment accounts in ta					•			
			e <u>NO NEED TO EDIT</u> l		•						
263	expenses are enter	ed into the	10. ExpensesData w	orksheet. F	igure 7 sho	ws how irre	gular contri	butions and	d withdrawa	ls are	

	А	В	С	D	Е	F	G		Н	I	J	K	
264	entered into the in	vestment a	ccounts works	sheets. The follo	owing is a su	ımmary list of	the otl	her works	heets. You	ı can clicl	k on		
265	the hypertext to go	to that wo	rksheet or clic	ck on the works	heet name	tab at the bot	tom of	this windo	ow. Figure	8. shows	s an		
266	example of the R. I	Results sum	mary table R. :	1 . The other wo	rksheets ar	e discussed in	more o	detail belo	w.				
267													
268	Then enter your	Age and Ta	ax data										
269	After editing the S.	Setup work	sheet, you sh	ould then edit	the 1. AgeD	ata workshee	t, and t	hen enter	basic tax	filing dat	a in the		
270	2. TaxData worksh	eet. Then yo	ou should visit	t each of the ot	her data-en	try worksheet	s and e	nter your	personal o	data.			
271													
272	Remember to save	the Excel w	orkbook (spre	eadsheet) after	or during yo	our editing of	the var	ious work	sheets. Yo	ur perso	nal		
273	data will not be say	ed unless y	ou tell Excel (or whatever sp	readsheet p	rogram you a	re using	g) to save i	it. As you	make cha	anges,		
274	saving the spreads	neet often i	s a good idea.										
275													
276	Some worksheets	let you ente	er multiple se	ts of data as a	able we cal	l a "Table-GU	II"						
277	6 Some worksheets let you enter multiple sets of data as a table we call a "Table-GUI" 7 You enter data only in the red cells. Put \$0 or 0%, etc. in cells that don't apply. Worksheets 1. AgeData, 3. WorkData, 7. IRAdata												
278	and 8. Roth data h	ave table-G	UI data entry.	The following i	s an exampl	e of a Table-G	GUI for t	the 3. Wo r	r kData wo	rksheet.			
279	S1 sta	rt S1 end jol	Job Jo	ob income S1 v	ork S2	start job S2 er	nd job 1	lob	Job income	S1 work	(2) T		
280	Job Nbr job ag		- 1000000000000000000000000000000000000	OLA adju	and the second		9.0	enterances:		CO. 1000000000000000000000000000000000000			
	DOD IADI Jon of	e age	Income C	OLA auju	stment ag	e age	1	income	COLA	adjustm	ent		
281		264	2 \$50,000	2.00%	\$0	25	35	\$20,000	2.20%	THE STATE OF THE PARTY OF	\$0		
282	1	25/1	2 \$50,000	CANALIZATI	DOM:		Seact.	Charles Colored Co. 1	AND READ OF STREET	6	\$0 \$0		
282 283	1	25 6 63 6	2 \$50,000	2.00%	\$0	25	35 57	\$20,000 \$40,000	2.20%	6	\$0		
282 283 284	1 2 3	25 6 63 6 0	2 \$50,000 9 \$40,000 0 \$0	2.00% 0.50% 0.00%	\$0 \$0 \$0	25 35 58	35 57 66	\$20,000 \$40,000 \$15,000	2.20% 1.50%	6	\$0 \$0		
282 283 284 285	View the final re	25 6 63 6 0 sults in the	2 \$50,000 9 \$40,000 0 \$0	2.00% 0.50% 0.00%	\$0 \$0 \$0 \$0	25 35 58 eve entered	35 57 66 all you	\$20,000 \$40,000 \$15,000 r data.	2.20% 1.50% 1.50%	6666	\$0 \$0		
282 283 284 285 286	View the final rea	25 6 63 6 0 sults in the ered all of y	2 \$50,000 9 \$40,000 0 \$0 e "R. Results" our data, you	2.00% 0.50% 0.00% " worksheet a can view your	\$0 \$0 \$0 \$0 fter you have	25 35 58 eve entered marized in the	35 57 66 all you	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50%	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287	View the final re	25 6 63 6 0 sults in the ered all of y	2 \$50,000 9 \$40,000 0 \$0 e "R. Results" our data, you	2.00% 0.50% 0.00% " worksheet a can view your	\$0 \$0 \$0 \$0 fter you have	25 35 58 eve entered marized in the	35 57 66 all you	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50%	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286	View the final rea	25 6 63 6 0 sults in the ered all of y	2 \$50,000 9 \$40,000 0 \$0 e "R. Results" our data, you	2.00% 0.50% 0.00% " worksheet a can view your	\$0 \$0 \$0 \$0 fter you have	25 35 58 eve entered marized in the	35 57 66 all you	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50%	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288	View the final real After you have entintermediate resulting.	sults in the ered all of y cs computed are color color	\$50,000 \$40,000 \$0 E"R. Results' our data, you d in the rest or	2.00% 0.50% 0.00% " worksheet a can view your f the workshee	\$0 \$0 \$0 fter you have results sumings and gives	25 35 58 eve entered marized in the you a global p	35 57 66 all you e R. Res	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50%	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290	View the final resolution and the worksheets at Introduction and	sults in the ered all of yes computed are color	\$50,000 \$40,000 \$0 E"R. Results' our data, you d in the rest or	2.00% 0.50% 0.00% " worksheet a can view your f the workshee	\$0 \$0 \$0 \$0 fter you have results suming and gives is addition	25 35 58 Ive entered marized in the you a global ponal document	35 57 66 all you e R. Res picture	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50% sheet. This	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290 291	View the final real After you have entintermediate resulting.	sults in the ered all of yes computed are color	\$50,000 \$40,000 \$0 E"R. Results' our data, you d in the rest or	2.00% 0.50% 0.00% " worksheet a can view your f the workshee	\$0 \$0 \$0 \$0 fter you have results suming and gives is addition	25 35 58 eve entered marized in the you a global p	35 57 66 all you e R. Res picture	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50% sheet. This	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290 291 292	View the final reading and intermediate results The worksheets a lintroduction and SimpleCalc worksheets	sults in the ered all of y are color	\$50,000 \$40,000 \$0 e "R. Results' our data, you d in the rest or oded by fund worksheets a SimpleCalc	2.00% 0.50% 0.00% " worksheet a can view your f the workshee	\$0 \$0 \$0 \$0 fter you haves results summares and gives is additional is the electrical is the electrica	25 35 58 Ive entered marized in the you a global paral documentary glide	35 57 66 all you e R. Respicture	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50% sheet. This	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290 291 292 293	View the final resolution and the worksheets at Introduction and	sults in the ered all of y are color	\$50,000 \$40,000 \$0 e "R. Results' our data, you d in the rest or oded by fund worksheets a SimpleCalc	2.00% 0.50% 0.00% " worksheet a can view your f the workshee	\$0 \$0 \$0 \$0 fter you haves results summares and gives is additional is the electrical is the electrica	25 35 58 Ive entered marized in the you a global ponal document	35 57 66 all you e R. Respicture	\$20,000 \$40,000 \$15,000 r data. ults works	2.20% 1.50% 1.50% sheet. This	6 6 6 s takes	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290 291 292 293 294	View the final reading After you have entintermediate resultant and SimpleCalc works. Figures and App	sults in the ered all of y as computed are color	\$50,000 \$40,000 \$0 E"R. Results' our data, you d in the rest or oded by function worksheets a SimpleCalc ksheets are	2.00% 0.50% 0.00% " worksheet a can view your f the workshee ction. are white.	fter you have sesults summers and gives is additional is the elements.	25 35 58 ave entered marized in the you a global ponal documentary glide and documentar	all you e R. Respicture	\$20,000 \$40,000 \$15,000 ar data. ults works of your sit	2.20% 1.50% 1.50% sheet. This tuation year	s takes ar by yea	\$0 \$0 \$0		
282 283 284 285 286 287 288 289 290 291 292 293 294	View the final reading and intermediate results The worksheets a lintroduction and SimpleCalc worksheets	sults in the ered all of y as computed are color cal Resources asheet:	\$50,000 \$40,000 \$0 E"R. Results' our data, you d in the rest or oded by function worksheets a SimpleCalc ksheets are	2.00% 0.50% 0.00% " worksheet a can view your f the workshee ction. are white. f all your settin	fter you have search is additional in the electric in the elec	25 35 58 ave entered marized in the you a global ponal documentary glide and documentar	all you e R. Resoicture	\$20,000 \$40,000 \$15,000 Ir data. ults works of your sit	2.20% 1.50% 1.50% Sheet. This tuation year	s takes ar by yea	\$0 \$0 \$0 r.		

	А	В	С	D	E	F	G	Н	I	J	K		
297	You don't edit the	Assumption	s worksheet since it	summarize	s the other	data worksl	neets.						
298													
299	Results workshe	eet:	R. Results		summarize:	s spreadshe	et glide-pat	th results a j	fter enterin	g your data			
300	You don't edit the I	R. Results w	orksheet since it sur	mmarizes th	ne other dat	a workshee	ts.						
301													
302	Configuration w	orksheets:	S. Setup		used to con	figure entir	e spreadshe	et (indicate	e which shee	ets are used	<i>)</i>		
303			1. AgeData						d througho	ut spreadsh	eet		
304			2. TaxData		enter Feder	ral tax data	and filing s	tatus					
305													
			y one or more sourc	es of yearly									
307	Income worksh	eets:	3. WorkData		enter your			•					
308	4. Pension Data enter your pension income data, if any (current or future)												
309													
310			6. AnnuityData		enter your	annuity inco	ome data, if	any (currer	nt or future)				
311													
			lso a source of mon	ey through		•			-				
313	Investment wor	ksheets:	7. IRAdata						any (current				
314			8. RothData		•				rent or futu				
315			9. SavingsData		enter your	taxable savi	ings accoun	ts data, if a	ny (current	or future)			
316													
		et where y	ou enter your yearly	expenses									
318		neet:	10. ExpensesData		enter your	expenses do	ata (current	or future)					
319													
			low is computed fro	m (Income -	+ Withdrawa	als - Expens	es - Taxes)						
	You don't edit the		I										
322	Cash-flow work	sheet:	11. CashData		summarize.	s the cash fi	low from th	e other wor	ksheets				
323													
			withdrawals is in the										
			vorksheet unless the	•									
326	RMD table work	ksheet:	12. RMDtable		contains th	e IRS Requii	red Minimu	m Distributi	ion data				
327													
			a worksheets accoun						•				
		s, rates of re	eturn (ROR), COLAs,	etc.). There	is a detailed	d list of all t	hese works	heets tables	s and sectio	ns			
330	in Appendix A .												

	А	В	С	D	Е	F	G	Н	ı	J	K
331											
332	Income sources are	: work inco	me, pensions, Socia	Security, a	nd annuity l	oenefits. In	vestment ac	counts incl	ude tax-def	erred	
333	IRAs, Roth IRAs, and	d savings in	vestment accounts.	You may sp	ecify contri	butions and	l withdrawa	Is from inve	estment acc	ounts.	
334	Expenses and dedu	ctions are e	entered in the 10. Ex	pensesData	worksheet	. Taxes are	then estima	ited on the	total		
335	taxable income. All	data works	heets let you specify	the age w	hen the inco	mes, contr	ibutions and	d withdraw	als or exper	nses	
336	start as well as whe	n they end	. Investment contrib	outions and	withdrawal	s as well as	expenses a	nd tax dedu	uctions are		
337	specified by both so	cheduled ye	early events and by i	rregular eve	ents. Irregul	ar events a	re specified	at particula	r ages		
338	rather than on a ye	early sched	ule.								
339											
340	How excess or ins	sufficient (cash is handled at	the end of	each year						
341	Each year, all incon	ne and inve	stment withdrawals	are "depos	ited" or add	ed into the	cash-flow t	able in 11. (CashData		
342	worksheet. Expense	es and taxe	s are "removed" or s	subtracted f	rom the 11.	CashData	worksheet.	The resultin	ng excess (o	r	
343	shortfall) is calculat	ed and add	led or (removed) fro	m the taxab	ole savings i	n 9. Savings	Data . Here	is an examp	ole to help o	clarify	
344	the difference betw	veen sched	uled and unschedule	d events. F	or example,	you might	schedule ye	arly withdr	awals from	the	
345	Savings account on	either a sp	ecific schedule (e.g.,	1%/year) o	r on an irre	gular basis s	such as a pa	rticular wit	hdrawal for	a new car a	
346	(e.g., \$22,000). This	s is describe	ed in more detail in s	ection 1.4 b	elow.						
347											
348	How life insurance	e payouts	are handled								
349	If there is ever a life	e insurance	payout for S1 and/o	r S2 for pol	icies describ	ed in 1. Ag	eData sectio	on 1.4 , the p	payout		
350	is computed for 9. S	SavingsDat	a table 9.4.2.1 and a	dded tax-fr	ee to the sa	vings accor	ding to the ا	payee.			
351											
352	Demonstration D	ata that y	ou must override t	o enter yo	our data						
353	The spreadsheet co	mes with d	emonstration (demo	o) data alrea	ady set up f	or demonst	ration purp	oses and to	gives exam	ples	
354	of reasonable value	es in all of t	ne data-entry works	neets. You r	may or may	not use all	of the data-	entry work	sheets. You		
355	direct the spreadsh	eet to not	use any particular da	ta workshe	et by select	ing " <mark>ignorin</mark>	g" them in t	the S. Setu p	worksheet	t	
356	section S.1 lets you	declare the	e data worksheets th	nat <i>you do</i> w	vant you sp	ecify as " <mark>us</mark>	ed". [You ca	n also igno	re data fror	n	
357	particular workshee	ets by settir	ng the income, contr	ibution or v	vithdrawal a	amounts da	ta to \$0 to r	emove the	m from		
358	the calculations.] T	he investm	ent returns for the ir	vestment a	account (IRA	, Roth, and	Savings acc	ounts) fron	n the		
			e current year for ea						r -).		
			nable/disable the us								
			neet S.3 lets you ena	ble/disable	the use of s	cheduled o	contribution	s and withou	drawals by		
362	selecting "yes" or "	no".									
363											

	А	В	С	D	E	F	G	Н	I	J	K			
364	Removing the irre	egular den	nonstration data i	n (7. IRAda	ata, 8. Rotl	nData, 9. S	SavingsDat	a, 10. Expe	enses Data)					
365	Some of the worksh	heets have	irregular demonstra	tion data (7	. IRAdata, 8	. RothData	, 9. Savings	Data, 10. Ex	pensesData	a)				
366	that you should rep	olace with e	mpty entries when y	ou are ente	ering your o	wn data or	use the "- nc	Demo-" ve	rsion of the	!				
367	spreadsheet. Only 6	enter data i	n the red cells. The s	preadsheet	is also disti	ributed in t	wo other file	e versions w	vith					
368	"-noIrregularData-	" and "-noD	ata-" in their titles.											
369														
	•		istributed with the											
371	The spreadsheet i	is distribut	ed in three differe	nt versions	dependin	g on how r	much demo	onstration	data are to	be be				
372	provided. This is r	noted in th	e file names as we	now descr	ribe.									
373	The file names all	versions c	of the " <u>Simplified-I</u>	<u>ncome-Plai</u>	nning-Tool	' are prefix	ked with " S	SIPT-".						
374	For example, the <u>version number</u> is indicated as: V.0.19.2													
375	This is followed by the release date is indicated by: 11-8-2015a													
376	376													
377		a) full de	mo data	SIPT-Demo-	V.0.19.2-11-	8-2015a.xlsx	{							
378		b) no irre	egular demo data	SIPT-noIrreg	gularDemo-V	.0.19.2-11-8	3-2015a.xlsx							
379		c) no der	no data	SIPT-noDem	no-V.0.19.2-1	1-8-2015a.x	lsx							
380														
381	a) is the spreadshee	et with full	demo data. It is usef	ul for viewi	ng the full d	emonstrati	on example	s in all data	entry work	sheets.				
382	It includes examp	oles for the	data entry workshee	ets. In most	people's sit	uations, yo	u might onl	y use a few	of these					
383	types of income s	sources for	your data.											
384			adsheet as (a) but w											
385	for entering you	r data and ι	viewing demonstrati	on answers	without the	e irregular d	lemonstrati	on data. Th	e "-noIrregu	ılarDemo-"				
386	data version may	/ be useful i	n entering your pers	onal data b	y seeing wh	at typical a	nswers migl	ht be and yo	ou can adjus	st your				
387	•		overwriting the de											
			60 or 0.0% (as neede				<u>~</u>							
389			orksheet S. Setup . It	is useful for	r entering y	our data fro	m scratch v	vithout hav	ing to overv	vrite any				
390	demonstration d	ata answers	S.											
391														
-	You can enter your	own data i	n any of the three ve	ersions over	writing den	no data as r	equired.							
393														
-			ions are performed	<u>-</u>										
			red cells might corru							9				
396	you enter your data	a. You can u	inprotect any works	heet you ar	e in by goin	g into the E	xcel <u>Format</u>	option and	clicking					

	А	В	С	D	Е	F	G	Н	I	J	K
397	on <i>Unprotect work</i>	<u>sheet</u> . For n	nore details on prot	ecting/unpr	otecting wo	rksheets, s	ee RS. Reso	urces RS.9	Excel resou	rces.	
398											
399											
400	1.4 How Contr	ibutions,	Withdrawals a	nd Expen	ses are h	andled					
401	Both scheduled and	d additional	withdrawals taken	from the tax	x-deferred I	RA, Roth IR	A, and Savir	igs account	s are added	to	
402	the cash-flow in the	e 11. CashD	ata worksheet. Both	scheduled	and irregula	ar Expenses	(10. Expen	sesData wo	rksheet)		
403	and Federal and Sta	ate taxes (2	. TaxData workshee	t) are taken	from the ca	sh account	Roughly, f	or each yea	rу,		
404											
405	Cash(y) = Inco	ome(y) + W	ithdrawals(y) - Cont	ributions(y) - Expenses	s(y) - Taxes	(y) + Insuraı	nce Payout	(y)		
406											
407	Then, the cash bala	ince is adde	d (subtracted if neg	ative) to the	e savings acc	count for th	ne next year	,			
408											
409	Savings(y+1)	= Savings(y) + Cash(y)								
410											
411	This means if you h	ave large fu	ıture expenses planı	ned, you ma	y want to lo	ower expen	ses and/or	withdraw so	ome of the	money	
412	over several years	from the tax	k-deferred IRA, or ta	xable saving	gs with high	unrealized	capital gair	s to help pa	ay for them	. Doing	
413	this over several ye	ears prior to	the expense may p	ossibly avoi	d your goin	g into a mu	ch higher m	arginal tax	bracket. Th	en when	
414	this additional mor	ney is added	to the Cash-flow, th	ne expenses	will be cov	ered and th	e Cash-flow	will not sh	ow a negat	ive	
415	amount. You have	the option i	n the 11. CashData v	worksheet t	o rebalance	spouse S1	and S2 by r	ebalancing	cash betwe	en	
416	them for a year in v	which one o	f them has a negativ	ve balance.	This is enab	led in the S	etup S.2 wo	rksheet. Th	at is, each	year	
417	if the cash flow for	either S1 or	S2 is negative, it th	en subtract	s the negati	ve amount	from the po	sitive one s	so the one	with	
418	extra cash helps ou	t the spous	se S1 or S2 who has	a negative b	palance.						
419											
420											
421	1.5 Error check	ing - Run	ning out of mo	ney and a	age entry	checking	g				
422	There is some erro	r checking b	uilt into the spreads	sheet, altho	ugh far fron	n complete	. In the inco	me source	data worksl	heets,	
423	If you enter an age	less then yo	our current age it wi	II give you a	in error mes	sage to tha	at effect. The	e age must	be at least	the	
424	age you enter in th	e 1. AgeDat	a worksheet. Also, v	vhen taking	scheduled	Investment	withdrawa	ls and expe	nses, you		
			ge and ending age. (
426	value such as 100 c	or 110 for th	ne ending age). The	spreadshee	et checks to	make sure	your startin	g age is less	than		
427	your ending age, ar	nd will warn	s you if it is not. If y	our withdra	wals from a	n investme	nt account a	are too high	١,		
428	the account will ru	n out of mo	ney and will show a	negative ba	lance. This	last error cl	necking will	warn you ir	n case		
429	that happens so yo	u can withd	raw less to avoid th	is situation.	These chec	cks are sum	marized in s	sections R.8	.1 and		

	А	В	С	D	Е	F	G	Н	ı	J	К	
430	R.8.2 in the R. Resu	ı lts workshe	eet. If there is no err	or, then a b	lue dot will	appear. Oth	nerwise you	will see an	error			
431	message describing	the situati	on and directing yοι	to the app	ropriate wo	rksheet to c	correct it.					
432	In summary:											
433												
434	(a) Validity checks are made for IRA, Roth, Savings and Cash-flow accounts to test if any of them run out of money. This											
435	is indicated with a PROBLEM warning on the R. Results worksheet R.8.2. The error will remain until you correct it.											
436												
437	(b) Validity checks a	are made in	the data workshee	ts comparin	g the age er	ntries with t	hose of the	1. AgeData	worksheet			
438												
439												
440												
441	R. Results sectio	n R.8.1 .										
442												
443												
444	2. Disclaimer											
445	This software atter	<mark>mpts to mo</mark>	<mark>del an income strea</mark>	m from sev	eral differe	nt income s	ources, inv	estment wi	ithdrawals,			
446	expenses, taxes an	d cash-flow	<mark>/s over time. No cla</mark>	im is made	to the accu	racy, suitab	ility, and c	orrectness o	of the			
447	algorithms. Also, n	ote that the	<mark>e further out one go</mark>	es over tim	e, the less	accurate an	y estimates	s will be. Sir	nce the			
448	software uses stati	ic models a	nd static rates of re	turn, CPI, et	c. that you	enter, it wi	ll not track	actual marl	ket values			
449	over time. The soft	ware uses	<mark>only Excel formulas</mark>	and <i>doe</i>	s not use V	isual Basic (VBA), s	so one can e	easily revie	W		
450	all computations a	is desired. I	<mark>Because it uses gene</mark>	eric spreads	heet coding	g (with no V	BA), it will	run in a var	riety of			
451	spreadsheet progra	ams such as	s Windows Excel, fro	ee OpenOff	ice or Libre	Office "calc'	<mark>', free Goo</mark> ု	gle"sheet",	etc Use th	is		
			on and risk as an ini			•						
		ely no warra	antee is offered for	this softwa	re and no re	esponsibility	y is taken fo	or any error	s in. or use	of		
	the software.			I	I.			I	I	I.		
455												
456												
457	3. Directions for using the spreadsheet											
458	The spreadsheet as it is distributed has demonstration data entered in red cells through the worksheet. Enter your data											
	by overwriting the demonstration data. You might want to save your spreadsheet with a new file name as you make changes.											
			des examples of ans			a of typical	values. Not	e that negat	tive numbe	rs are		
461	shown as red (\$1,2	<mark>34)</mark> rather t	han -\$1,234, and sh	ould not be	edited.							
462												

463 The first worksheets you should use to enter your data 464 You must first configure the spreadsheet to your personal situation. This is done in the S. Setup worksheet sections S.1 to S.3. 465 By not using that worksheet specified in S. Setup section S.1, it will also ignore that data. Then enter your data in the 466 1. AgeData and 2. TaxData worksheets since these are used by the other data worksheets. In table S. Setup S.1 you declare the 467 set of data worksheets that are applicable to you (see Figure 1), where you select "use" or "ignore". In S. Setup section S.2 468 you can configure the spreadsheet to use irregular contributions and withdrawals for investment accounts and the expenses 469 account (see Figure 2 in Figures worksheet In S.3 you can configure the spreadsheet to use scheduled contributions and 470 withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one 471 question using having a "keep" or "remove" question. 472 the personal data in other worksheets 473 Then, entering data in other worksheets 474 After setting the initial configuration in the S. Setup, 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 475 data in the data worksheets 3. WorkData through 10. ExpensesData you have selected (see section 1.3 above for a list of data 476 entry worksheets). Again, only enter data in the red cells on the worksheets. You switch between worksheets either by clicking 479 on the tabs at the bottom of this Excel window or by clicking on the hypertext worksheet). Some worksheets either by clicking 480 also have hyperlinks to other worksheets. 481 3. WorkData, 4. PensionData, 5. SocSecData, 6. AnnuityData, 7. IRAdata, 8. RothData, 9. SavingsData, 10. ExpensesData 482 483 If a particular data worksheet does not apply to one of the spouses S1 or S2, or there is no spouse S2, then just enter \$0 for any 484 income, contribution, withdrawal, etc. amounts for that worksheet. That lets the data be ignored in computing the res		А	В	С	D	Е	F	G	Н	I	J	K	
By not using that worksheet specified in S. Setup section S.1, it will also ignore that data. Then enter your data in the 1. AgeData and 2. TaxData worksheets since these are used by the other data worksheets. In table S. Setup S.1 you declare the 1. AgeData and 2. TaxData worksheets since these are used by the other data worksheets. In table S. Setup S.1 you declare the 1. AgeData and 2. TaxData worksheets since these are used by the other data worksheets. In table S. Setup S.1 you declare the 1. AgeData and 2. TaxData worksheets that are applicable to you (see Figure 1), where you select "use" or "ignore". In S. Setup section S.2 1. AgeData and 2. TaxData worksheets for investment accounts and the expenses 1. AgeData and 2. TaxData sound the spenses 1. AgeData and 2. TaxData sound the spenses 1. AgeData and 2. TaxData in S.3 require a "yes" or "no" answer with one 1. AgeData and 2. TaxData worksheets or "remove" question. 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 1. AgeData in the data worksheets 3. WorkData through 10. ExpensesData you have selected (see section 1.3 above for a list of data 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets either by clicking 1. AgeData and 2. TaxData worksheets, vou switch between worksheets (like this one) will 1. AgeData and 2. TaxData and	463	The first workshe	ets you sh	ould use to enter	your data								
1. AgeData and 2. TaxData worksheets since these are used by the other data worksheets. In table S. Setup S.1 you declare the set of data worksheets that are applicable to you (see Figure 1), where you select "use" or "ignore". In S. Setup section S.2 dead you can configure the spreadsheet to use irregular contributions and withdrawals for investment accounts and the expenses with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one withdrawals for the investment accounts and the expenses of "no" answer with one withdrawals for the investment accounts and the expenses of "no" answer with one withdrawals for the investment accounts and the expenses of "no" answer with one withdrawals for the investment accounts and the expenses of "no" and such as a contract of the such as a contract of th					-	ation. This	is done in th	ne S. Setup v	worksheet s	ections S.1	to S.3 .		
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468 you can configure the spreadsheet to use irregular contributions and withdrawals for investment accounts and the expenses 469 account (see Figure 2 in Figures worksheet In S.3 you can configure the spreadsheet to use scheduled contributions and 470 withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one 471 question using having a "keep" or "remove" question. 472 After setting the initial configuration in the S. Setup, 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 474 After setting the initial configuration in the S. Setup, 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 475 data in the data worksheets 3. WorkData through 10. ExpensesData you have selected (see section 1.3 above for a list of data 476 entry worksheets). Again, only enter data in the red cells on the worksheets. You switch between worksheets either by clicking 477 on the tabs at the bottom of this Excel window or by clicking on the hypertext worksheet name in the Worksheet Navigation 478 table at the end of each worksheet (see an example at the bottom of this worksheet). Some worksheets (like this one) will 479 also have hyperlinks to other worksheets. 480 3. WorkData, 4. PensionData, 5. SocSecData, 6. AnnuityData, 7. IRAdata, 8. RothData, 9. SavingsData, 10. ExpensesData 481 482 483 If a particular data worksheet does not apply to one of the spouses S1 or S2, or there is no spouse S2, then just enter \$0 for any 484 income, contribution, withdrawal, etc. amounts for that worksheet. That lets the data be ignored in computing the results from 485 the various data sources. Although by not using that worksheet specified in S. Setup section S.1, it will also ignore that data. 486 487 Viewing your results in the "R. Results" worksheet 488 As you enter the data into the various worksheets, the spreadsheet will automatically recompute the other worksheets that use 489 It to incorporate those changes. In particular, they will be reflec		· · · · · · · · · · · · · · · · · · ·							· ·		clare the		
469 account (see Figure 2 in Figures worksheet In S.3 you can configure the spreadsheet to use scheduled contributions and 470 withdrawals for the investment accounts (see Figure 3). Most of the S.2 and in S.3 require a "yes" or "no" answer with one 471 question using having a "keep" or "remove" question. 472	467												
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473 Then, entering data in other worksheets 474 After setting the initial configuration in the S. Setup, 1. AgeData and 2. TaxData worksheets, enter the rest of your personal 475 data in the data worksheets 3. WorkData through 10. ExpensesData you have selected (see section 1.3 above for a list of data 476 entry worksheets). Again, only enter data in the red cells on the worksheets. You switch between worksheets either by clicking 477 on the tabs at the bottom of this Excel window or by clicking on the hypertext worksheet name in the Worksheet Navigation 478 table at the end of each worksheet (see an example at the bottom of this worksheets). Some worksheets (like this one) will 479 also have hyperlinks to other worksheets. 480 3. WorkData, 4. PensionData, 5. SocSecData, 6. AnnuityData, 7. IRAdata, 8. RothData, 9. SavingsData, 10. ExpensesData 481 482 3. WorkData worksheet does not apply to one of the spouses S1 or S2, or there is no spouse S2, then just enter \$0 for any 484 income, contribution, withdrawal, etc. amounts for that worksheet. That lets the data be ignored in computing the results from 485 the various data sources. Although by not using that worksheet specified in S. Setup section S.1, it will also ignore that data. 486 487 Viewing your results in the "R. Results" worksheet 488 As you enter the data into the various worksheets, the spreadsheet will automatically recompute the other worksheets that use 489 it to incorporate those changes. In particular, they will be reflected in the R. Results worksheet. You can see how changes in any		question using hav	ing a " <mark>keep</mark>	" or " <mark>remove</mark> " quest	ion.								
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480 3. WorkData, 4. PensionData, 5. SocSecData, 6. AnnuityData, 7. IRAdata, 8. RothData, 9. SavingsData, 10. ExpensesData 481 3. WorkData, 4. PensionData, 5. SocSecData, 6. AnnuityData, 7. IRAdata, 8. RothData, 9. SavingsData, 10. ExpensesData 482 483 If a particular data worksheet does not apply to one of the spouses S1 or S2, or there is no spouse S2, then just enter \$0 for any 484 income, contribution, withdrawal, etc. amounts for that worksheet. That lets the data be ignored in computing the results from 485 the various data sources. Although by not using that worksheet specified in \$. Setup section \$.1, it will also ignore that data. 486 80 80 80 80 80 80 80 487 Viewing your results in the "R. Results" worksheet 488 As you enter the data into the various worksheets, the spreadsheet will automatically recompute the other worksheets that use 489 it to incorporate those changes. In particular, they will be reflected in the R. Results worksheet. You can see how changes in any	477	on the tabs at the b	oottom of t	his Excel window or	by clicking c	on the hype	rtext worksh	heet name i	n the Work	sheet Navig	gation		
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482 483 If a particular data worksheet does not apply to one of the spouses S1 or S2, or there is no spouse S2, then just enter \$0 for any income, contribution, withdrawal, etc. amounts for that worksheet. That lets the data be ignored in computing the results from the various data sources. Although by not using that worksheet specified in S. Setup section S.1 , it will also ignore that data. 486 80 80 80 80 80 80 80	480												
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it to incorporate those changes. In particular, they will be reflected in the R. Results worksheet. You can see how changes in any	487	Viewing your res	ults in the	"R. Results" work	sheet								
	488	As you enter the da	ata into the	various worksheets,	, the spread	sheet will a	utomaticall	y recomput	e the other	worksheets	that use		
490 worksheet affects the results by going back and forth between the R. Results worksheet and the data worksheet you are	489												
	490												
491 currently working on.	491	currently working o	on.										
492													
493 Experimenting with other configurations after you have entered your personal data	493	Experimenting w	ith other o	onfigurations afte	r you have	entered y	our perso	nal data					
494 You can model the income stream in various ways using temporary changes in the S. Setup configuration you might make. For		•				-	<u> </u>		guration yo	u might ma	ke. For		
495 example you could leave out various income sources such as stopping work, adding an annuity, adding a Roth IRA, etc. You could													
496 also try using different years for claiming Social Security, working longer, taking withdrawals from the IRAs or savings at													

	А	В	С	D	E	F	G	Н	I	J	K	
497	different ages, or le	eave out or	reduce certain expe	nses, etc								
498												
499												
500	4. Discussion o	f the list	of all workshee	t tables i	n Append	A xib						
501												
502	Appendix A is a detailed list of all worksheet tables and sections. As mentioned, it is consists of those worksheets into											
503	which you enter your personal data, those that you may have to edit when the IRS rule or data changes, a cash-flow table where											
504	income and expenses are tallied, and finally the R. Results worksheet where results are summarized. It may be useful to look											
505	5 through these lists to familiarize yourself with the type of data that will be needed and what types of results are presented -											
506	or just view the different worksheets.											
507												
508	NOTE: You enter your data only in the Red Cells in the Data Input Worksheets.											
509		ONLY ent	er or edit data in <mark>R</mark>	ED cells.								
510		ORANGE cells are normally not changed unless the IRS changes various tax rates (do not edit).										
511		BLUE cells are major results or intermediate results (do not edit).										
512		BLACK cel	<mark>ls are intermediat</mark>	e computa	tions (do r	ot edit).						
513		GRAY area	as of the other wo	rksheets ir	ndicate wh	ere the an	alysis					
514		has not be	een implemented	yet and sh	ould be igr	nored.						
515												
516	Note: You don't h	ave to edi	t tables in any of th	ne other w	orksheets l	peyond the	following	warning n	nessage if i	t is presen	t:	
517												
518	> DO <u>NOT</u>	CHANGE	ANY VALUES in	the follo	wing tab	les in thi	s worksh	eet. <	-			
519												
520												
521	521 5. Notes on current version of the spreadsheet											
522	Note (1) The spread	dsheet does	s not handle state ta	xes fully as	that would	depend on t	the specific	tax rules of	each state,	and		
523	would need to take	e tax-free m	uni-bond income int	o account.	However, in	the 2. Tax [Data worksh	neet it does	allow you t	0		
524	declare a state tax	percentage	which will be added	to your ma	rginal tax ra	ate and app	lied to the a	adjusted gro	oss income.			
525	It also allows you s	pecify the ta	ax-free deduction as	a percenta	ge in 9. Savi	ngsData se	ction 9.2 so	that muni l	oond incom	е		
526	could be approxima	ated.										

	А	В	С	D	Е	F	G	Н	ı	J	K	
527												
528	Note (2) The spread	dsheet mod	lel uses average esti	mated value	es you speci	fy for CPI, to	ax rates, wit	hdrawal va	lues (RMDs			
529	are enforced), and	rates of ret	urn that will obvious	sly be a bit o	lifferent in t	he future. E	But probably	not too fa	r off for rou	gh		
530	estimation purposes. You can use the CPI, set in 1. AgeData worksheet, as the default COLA for Soc Sec, Pension, IRA,											
531	Roth and Savings withdrawals, work and annuity income, and Expenses. You can also override each of these COLAs on											
532	the respective worksheets. If the COLA value you use on the data worksheets is -0 or 0%, then it uses the CPI value you set.											
533												
534	Note (3) You may include income from any of the sources (pensions, social security, work, and/or annuities).											
535	Withdrawals made from Investment accounts (IRA, Roth, Savings) are treated as income. None are required except the IRA											
536	RMD withdrawals that are done automatically at age 70 1/2.											
537												
538	8 Note (4) The Social Security benefits tables are computed for each spouse for each year delayed past age 62 (see worksheet											
539	SocSecData sect	ion 5.1).										
540												
541	Note (5) You can ta	ike schedule	ed and/or irregular y	early expen	ses from th	e 10. Expen	sesData wo	rksheet.				
542												
543	Note (6) You can ha	ave schedul	ed (i.e., yearly) as w	ell as irregu	lar contribu	tions and w	rithdrawals o	on the inve	stment			
544	accounts. You can o	disable cont	tributions and withd	rawals per a	account on t	he S. Setup	worksheet	sections S. ?	2 and S.3 .			
545	It can be useful to t	temporarily	disable irregular exp	penses to ge	et an idea of	the "stead	y-state" beh	navior of the	e income			
	stream flow.											
547												
548	Note (7) The spread	dsheet does	s not calculate additi	ional tax pe	nalties for ta	aking withd	rawals from	the tax-de	ferred IRA c	ıf		
			forces you to take th					•				
	•		erentiate with inheri		•							
	but instead computes a "virtual" deductible IRA as the weighted mean of 401(k), 403(b), 457(b), Traditional-IRA and RMDs.											
	2 Rollover-IRA data. Also there is an RMD calculation associated with inherited-Roths or 401(k)-Roths currently which have											
	a required RMDs.											
554												
	Appendix D lists the more information about the current status including a list of things TODO and the ongoing											
	REVISION-LIST histo	ory.										
557												
558		Elementa	ry glide-path calcu	lator (Sim	oleCalc)		Next SIPT	<u>workshee</u>	t (Assumpt	tions)		
559												

	Α	В	С	D	E	F	G	Н	I	J	K
560	Worksheet Na										
561	To go to a specifi										
562		Introduction									
563		Assumption									
564		R. Results									
565		S. Setup									
566		1. AgeData									
567		2. TaxData									
568		3. WorkDat									
569		4. PensionData									
570		<u>5. SocSecData</u>									
571		6. AnnuityData									
572		7. IRAdata									
573		8. RothDat									
574		9. SavingsD									
575		10. Expense									
576		11. CashDa									
577		12. RMDta		Australaa lis		. h. a.i.a.a					
578 579		RS. Resour	<u>ces</u>	Articles, lit	-						
580		Figures Appendix A		Screen sho		tables & sec	ction				
581		Appendix E		Extra calcu		tables & sec	LUUII				
582		Appendix C	-	Glossary of							
583		Appendix C				ues and Rev	ision list				
584		FAQ	_	Frequently	_		7131011 1131				