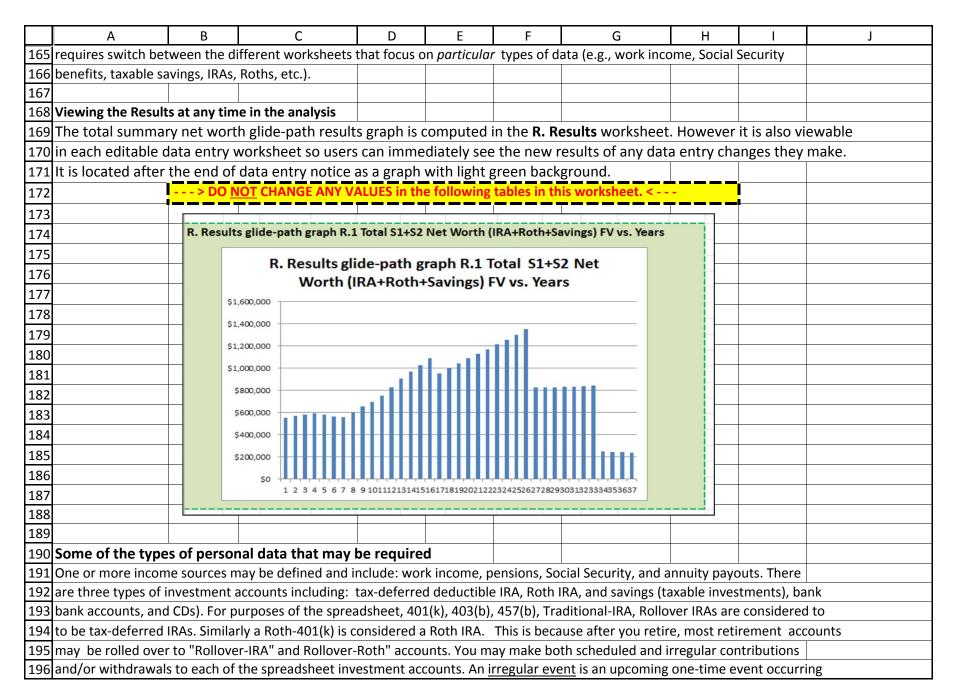
	А	В	С	D	Е	F	G	Н	1	J
1	Navigation:									
2	Elementary glide-	-path calcu	lator (SimpleCalc)		Results w	orksheet (l	R. Results)	Next IPT	vorksheet	(Assumptions)
3							-	_		
4	Income Pla	anning	Tool (IPT)							
5	Calculate a financ	ial Glide-P	ath from yearly C	ash-flows,	Income St	reams, Exp	enses, Investme	nt Accoun	ts and Tax	es
6										
7	This Excel spreadsh	eet is desig	ned for people who	want to pl	an for futui	re income, s	saving, and spendi	ng needs. It	t calculates	rough
8	estimates of saving	and spendi	ng patterns over ti	me. You mu	ıst enter <i>sui</i>	mmaries of	f a range of your p	ersonal fina	ncial data	as
9	required by the mo	del. These i	nclude applicable i	nvestments	(taxable ar	nd retireme	nt), pension, Soci	al Security,	work, annu	iity,
10	and expenses. The	final results	are shown in sumr	nary tables	and glide-p	oath graphs	for those tables.	All data are	entered an	d
11	calculations are do	ne only in th	nis spreadsheet. No	data are e	xported or	saved from	the spreadsheet (either local	ly or to the	
12	Internet). Once the	data are er	itered, the spreads	heet estima	tes yearly o	cash-flows ι	using income from	various so	urces: work	,
13	pensions, Social Se	curity, annu	ities, and life insura	ance benefi	ts; contribu	itions and w	vithdrawals from t	ax-deferred	d 401(k), 40	3(b),
14	457(b), IRAs, Roths	, and saving	s investment accou	ınts. The sp	readsheet e	estimates y	early investment r	eturns, tax	es on invest	ment
15	returns, and expen	ses. It estim	ates yearly Federal	tax rates a	nd resulting	g cash-flows	s are estimated. T	he spreadsh	neet allows	
16	for scheduled and i	irregular (up	coming additional)	contribution	ons and wit	hdrawals fo	or investment acco	unts (IRA, I	Roth, Saving	gs)
17	as well as for sched	luled and iri	egular expenses ar	nd deductio	ns. From th	is data, the	spreadsheet then	calculates	yearly net v	vorth.
18	Glide-path tables a	nd graphs a	re created are usef	ul for inves	tigating diff	erent planr	ning scenarios by r	naking char	nges to inpu	ts.
19										
20	The IPT software m	nay be run ir	a variety of spread	dsheet prog	rams includ	ding Windo	ws Excel, the free	OpenOffice	or LibreOff	ice
21	"calc", Google "she	et". The spi	eadsheet doesn't u	ise Microso	ft Visual Ba	sic as VBA i	s not available in	all spreadsh	neet	
22	programs. Apple's	"numbers" s	spreadsheet progra	m has some	e incompati	ibilities, so	use either Excel fo	r Mac or or	e of the fre	е
23	spreadsheet progra	ams.								
24										
25	Why model? Altho	ugh models	by nature are impr	ecise, calcu	lating a rou	igh estimate	e of your income s	tream may	be useful fo	or
26	financial planning.	The spreads	sheet represents a	compromise	e between o	complexity	and completeness	and leans i	in the direct	tion
	of a simpler model									
28	glide-path modelin	g, a very cru	ıde glide-path calcu	ılator, "Sim	pleCalc", is	available (b	ooth as a workshe	et in the IP1	Spreadshe	et and
29	as a separate sprea	dsheet). Th	is may be useful for	r you to exp	eriment wi	ith to bette	r understand the o	concept of §	glide-path b	efore
30	using the full IPT sp	readsheet,	which uses a more	complete f	inancial pla	nning mode	el. These spreadsl	neets are ed	lucational t	ools.
31										
32	Last revision:	9/22/2016	V.0.24.18	Beta**						

	А	В	С	D	Е	F	G	Н	I	J		
33	See	Appendix D	<u>)</u>	for the list	of outstand	ing issues (1	things TODO), and	full REVISION	ON-LIST			
34												
35	Note: The spreadsh	neet will be r	evised each year aft	ter new Tax	Tables & C	ap-Gains/Di	v. rates & tax rules	are annou	nced.			
36												
37	© P. Lemkin 2012-2	2016										
38	GNU General Public	c License, ve	rsion 3.0 (GPLv3) at		http://ope	nsource.org	/licenses/gpl-3.0.h	<u>itml</u>				
39	See the full license de	escription sec	tions 15. Disclaimer o	f Warranty a	nd 16. Limita	ation of Liabi	lity for details.					
40												
41	** For more on <i>Bet</i>	a-level soft	ware see	https://en.	wikipedia.o	rg/wiki/Sof	tware_release_life	<u>cycle</u>				
42												
43	"Forever	Rota"										
44												
45			wait - one more th		and the same of th							
46			No, still not quite	San contract	W. 1							
47	i \	Version 0.123.8 Well, still not quite there yet. 🙁 Done! 🙂										
48	_	Version	0.123.9 Added a ne	ew feature	competing	software h	as. 😕 Done! 🙂	<u> </u>				
49	<u> </u>	Versi	on 0.123.10 Oops,	didn't impl	ement feati	ire correcti	ly. 😕 Done! 🙂	i				
50 51	<u></u> !							<u> </u>				
52								<u> </u>				
53	-i							i				
54	Cartoon by Ta	rTar, 10-15	-2015									
55												
56	Table of Con	tents for	Introduction							2		
57	Introduction											
	1. Description of th	e IPT Spread	Isheet									
59			questions that may	be investiga	ated using t	his spreadsl	neet					
60	1.2 Types of pers		•	J								
61	1.3 How the spre											
62	1.4 Brief list of th											
63	1.5 How the year	ly income st	ream cash-flow and	net worth	are calculat	ed						
64	2. The two versions	of the IPT s	preadsheets you ma	ay download	d: "Demo" d	or "User"						
65	2.1 Disclaimer											

	Α	В	С	D	E	F	G	Н	I	J	
66	3. Detailed directio	ns for using	the spreadsheet								
67	4. A detailed list of	all workshee	et tables and section	ns is in Appe	endix A						
68	5. Notes on the cur	rent version	of the spreadsheet	- what it do	es and doe	s not handle	е				
69											
70	Documentation in	n additiona	l worksheets								
71	Click on the any of	the following	g hyperlinks to go to	the worksl	neets						
72	<u>Assumptions</u>	Summary lis	st of all settings in S e	etup, and A	geData thro	ough Expen s	seData worksheets)			
73	<u>Results</u>	Glide-path o	of income from Inco	me & Witho	drawal sour	ces less Exp	enses & Taxes				
74	Resources	Lists of artic	cles, literature, web	sites related	d to financia	al planning					
75	Appendix A										
76	Appendix B										
77	Appendix C	Glossary - d	efinitions of terms ι								
78	Appendix D										
79	Appendix D List of outstanding issues (Things TODO and CHECK), and REVISION-LIST History FAQ Answers to Frequently Asked Questions										
80											
81											
82	Introduction										
83											
84	The Concept										
85	While saving for fut	ure expend	itures such as retire	ment, a nev	v house, or	a college ec	ducation for your cl	nildren you			
86	might wonder if you	u are saving	enough or spending	g too much	on current	expenses. If	you are near or in	retirement	į		
87	the spreadsheet let	s you estima	ate, using a static m	odel, your i	ncome stre	am and whe	ether it will cover y	our expense	es.		
-			el such as those usin				<u> </u>				
-			ok at your finances								
	<u> </u>		e? How rapidly are y								
	•		ke sure you're still o								
			de path. This Introdu		sheet gives	an overviev	v and a FAQ works	heet			
94	provides answers to	o some Freq	uently Asked Quest	ions.							
95			<u> </u>								
) spreadsheet lets y								
97	questions more acc	urately - bo	th for near term pre	e- and post-i	retirement.	There are n	nany rudimentary i	retirement			

	А	В		С	D		E	F	G	Н	I	J	
98	calculators availa	able on-lii	ne (see RS	. Resources	section R	5.8 for a	list). To illustr	ate th	e flavor of thes	se			
99	types of glide-pa	th calcula	itions, we	provide an a	dditional	very sim	ple one in the	work	sheet	Simple	Calc		-
	Note, the Simple			•									
	IPT spreadsheet.								•				
	of savings at age					•			•	•			
	sustainable after					<i>-</i>		•					
104													
105	1. Enter your	data in the	Red cells b	elow.			Savin	ac n	ortfolio val	110			
106				lready retired):	25	\$900,00		gs p	or trollo var	ue			
107	Your expect	ted retiremen	nt age:		67	\$800,00				<u> </u>			
108		ue of saving			\$30,000	\$700,00					-		
109		ss annual in		alta.	\$25,000	\$600,00							
110			savings portfi ial Security at		\$3,750 \$6,000	\$500,00	00			<u> </u>			
111					7.,	\$400,00	17704	100	.1	Savings portf	olio		
\vdash	2. Additional	parameter	s you can ad	just or use THE	defaults)	\$300,00				value			
112	Pre-retirem	ent annual r	ate of return	on portfolio:	4.50%	\$200,00	- 11	1					
113				on portfolio:	2.50%	\$100,00							
114			e Cost Of Livin ement withdr	g Adjustment:	2.00% 3.00%	(\$100,00	90700	4 4 8	52 60 68 72	9 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
115				avings portfolio:	2.00%	(\$200,00	(00			_			
116	Percent of 0	GAI needed i	n retirement i	when retire:	80%								
117							You run out of				86		
118									ngs at retirement		\$770,241		
119									ed while working can fund in retire		15.0%		
120								-	rom Soc. Sec. at re		13.3%		
121	Values for	savings	and expe	nses over ti	me			Ţ -					
122				8									
123					Cola adjusted		Percent						
124		Savings	*		Social	Retired	expenses from						
125		ortfolio value	Savings contribution	Gross Annual Income	Security if any	Annual Expenses	Soc. Sec. In retirement						
126	1 25	\$30,000	\$3,750	\$25,000	\$0	\$0	0.0%	6					
127	2 26	\$35,269	\$3,825	\$25,500	\$0	\$0		5					
128	1 2 27	\$40.853	¢3 003	\$25,010	Śn	80	0.0%						
129													
	The complete IP	T spreads	heet desci	ribed below	provides	a much n	nore accurate	and d	letailed analysi	is because it	takes		
-	into account mai												-
101	co account mai	., other	arretar re		cuy		- Sipiccaic	· · · · · · ·	nac patri carca		10010		

	А	В	С	D	E	F	G	Н	I	J
132	interesting, then yo	ou might try	using this IPT sprea	dsheet. It is	described i	n more deta	ail below. Of course	e it can't pre	edict	
133	the future but it ma	ay provide a	better understandi	ng of your fi	nancial situ	ation, whic	h may be useful in	doing finan	cial	
134	planning.									
135										
136										
137	1. Descriptio	n of the	IPT Spreadsh	eet						
138										
	· · · · · · · · · · · · · · · · · · ·		putes a rough estim		•	•				
140	expenses come and	d go over tin	ne. Results are calcu	lated at the	end of eac	h year. It us	es a yearly "cash fl	ow" calcula	tion	
141	defined as the sum	of income a	and withdrawals, and	d subtractio	n of expens	ses, contribu	utions and estimate	ed taxes. A	ny	
		•	cash account are sa						xt year.	
-			hortfalls, funds are t							
			g of a number of wo					xcel, the		
145	spreadsheet as a w	hole is calle	d a workbook which	in turn is a	collection c	of workshee	ts.			
146										
147	Navigating the sp	readsheet								
148	In Excel, you switch	between w	orksheets by clickin	g on a name	ed workshe	et tab at the	e bottom of the Exc	cel window	or by	
149	clicking on workshe	et hyperlinl	ks (blue font with an	underline)	available th	roughout t	he spreadsheet. Yo	ou may adv	ance to the	<u>I</u>
150	next or previous wo	orksheet by	clicking on the	Next or Re	sults or Pre	<u>vious</u>	links at the top or	bottom of	each works	heet.
151		(Prev work	<u>ksheet)</u>	Results w	orksheet (l	R. Results)		(Next wor	rksheet).	
152			appear after the follo							
153		> DO N	OT CHANGE ANY V	ALUES in th	e following	tables in th	is worksheet. <	-		
154	Alternatively, at the	e bottom of	each worksheet the	re is a		Worksheet	t Navigation	table at th	e end of ead	ch
155	worksheet. It conta	ains a hyper	text list of all of seq	uential worl	ksheet nam	es.				
156										
157	Setting up the sp	readsheet								
158	Use the S. Setup we	orksheet to	specify which other	worksheets	you will ne	ed to fill ou	t.The IPT works wi	th one pers	on S1 or two	0
159	people called S1 an	d S2. S1 an	d S2 may be married	d or unmarr	ied. Howev	er the latter	should use the tax	k filing statu	ıs <u>Separate I</u>	Filing.
160	The R. Results worl	ksheet sumr	narizes data compu	ted on the c	ther data w	vorksheets l	ooth as tables and	as graphs o	f the data in	the
161	tables. The results	are updated	when data is chang	ed in any of	the other o	data entry v	vorksheets.			
162										
163	Depending on your	level of exp	ertise and familiarit	y with finan	cial terms,	you may wa	ant to review unfan	niliar terms	in the	
164	Appendix C worksh	eet (glossar	y of 'financial terms	used in the	IPT spread	sheet) <u>befo</u>	<u>re</u> entering your da	ta. The spr	eadsheet	



	Α	В	С	D	E	F	G	Н	I	J		
197	in a particular year	(specified b	y age). You may spe	cify expense	es and tax-c	leductions a	s both scheduled a	nd irregula	r events. Y	ou		
198	might think about y	our list of fu	ıture irregular expei	nses as a pl	anning tool	for your fut	ture expenses in yo	our "Bucket	List" - such	as		
199	college expenses, re	etirement, t	rips, gifts, etc. (See t	the discussion	on of the 20	007 comedy	film The Bucket Li	st for a nice	e definition.)		
200	http://en.wikipedia	.org/wiki/B	<u>ucket_list</u>	. The sprea	adsheet cal	culates your	remaining assets y	early so yo	u may use t	this for		
	helping plan for fur	iding future	expenses.									
202												
203	Income sources are	: work incor	ne, pensions, Social	Security, ar	nd annuity b	penefits. Inv	estment accounts	include tax-	-deferred			
_			igs investment acco									
			ated on the total tax					ify the age	when the			
	incomes, contributi	ons and wit	hdrawals or expense	es start as w	vell as wher	they end (i	f applicable).					
207												
_	18 If the cash-flow is ever negative for a particular year, the spreadsheet takes the shortfall from the taxable savings account											
	(9. SavingsData) for the next year. If the savings ever runb out, this is a problem. It will warn you with an error warning in the											
	0 R. Results section R.8. One could possibly increase some of the income sources (more work, IRA or ROTH withdrawals) 1 and/or lower expenses to make the cash-flow positive if it were severely negative.											
	and/or lower exper	ises to make	e the cash-flow posit	tive if it wer	e severely i	negative.						
212												
213		_										
	•		f the questions									
			questions that mig	ht be answ	vered using	g the IPT. T	he details on the	questions	are			
	described in the a	• •										
217	Q.1 Will I run out											
218			ed for college expen			cars, etc.) b	e adequate?					
219			Irawals on my tax-de									
220			m Social Security, ar									
221			es affect my future									
222			could I earn long ter				k portfolio (more st	tocks)?				
223			rent levels of inflati									
224	· ·											
225												
226												
	1.2 Types of pe		•									
228	Specify the starting and ending ages for each income stream (work, pension, Social Security, and/or annuities), and do											
229	this independently	for each spo	ouse S1 and S2. Spec	ify the expe	ected avera	ge market r	eturns for stock, bo	onds and ca	ish			

	А	В	С	D	E	F	G	Н	I	J	
230	(fixed income) in yo	our investme	ent portfolio. Histori	cally, appro	ximately 90	% of your p	ortfolio return is d	etermined	by your		
231	asset allocation (ro	ughly the st	ock:bond ratio). In a	addition, sp	ecify (the sa	me or diffe	rent) Cost Of Living	g Adjustmer	nts		
232	or COLAs for each o	of these inco	me streams that inc	rease the ir	ncome and e	expenses by	y that percentage e	ach year. A	lso		
233	specify the expecte	d Consumei	Price Index (CPI) th	at may be ι	ised as a de	fault for the	e various COLAs you	u need to e	nter.		
234											
235	Types of Savings										
236	Similarly, specify th	e age range	s for scheduled inve	stment (IRA	, Roth, taxa	ble savings) contributions and	withdrawa	lls for S1		
			unts are optional, bu								
			if any) are deposited								
\vdash	fixed amount and withdrawals as a percentage each year that increase by a COLA if desired. You may also specify optional										
-	irregular contributions and withdrawal events that may occur at any age or have several events the same year independently										
	for both S1 and S2. For example, one could withdraw money to buy a new car, pay for kids college, take a big trip and buy a										
	new house at the same year. You specify the age (e.g., 59) rather than the year (e.g., 2019) for the events. It computes the										
	sum of the scheduled and irregular contributions and withdrawals respectively each year. These are tracked separately for										
-	S1 and S2.										
245											
	Types of Expense										
			o contributions and								
	•	•	ly investment accou				•				
			eduled and optiona								
_			pping ages with an o								
-			btracted from the c								
_			ginal tax rate. Differe		ay also have	e various de	eduction levels asso	ociated with	n different		
253	types of pensions,	etc. which a	re not taken into ac	count.							
254				_	_						
-			ingle person (S1) o		-						
	If there is no individual S2, then just enter zeros for all income, contributions, withdrawals, and expenses for S2 entries. S1 and S2 may be married or unmarried. Married S1 and S2 individuals may use tax filing status of Married Filing Jointly (MFJ)										
_						•					
			FS). Single individua		use Head of	t Household	d (HH). However th	e unmarrie	d S1 and S2		
_	should only use the	Tax filing st	atus Single Filing (SI	-).							
260					• -•						
	Limitations on the types of static types of calculations done in the spreadsheet The computations use fixed estimates you specify for various parameters including the CPI, COLAs, stock and income returns										
262	The computations i	use fixed est	imates you specify f	or various p	parameters	including th	ne CPI, COLAs, stocl	c and incom	ne returns		

	А	В	С	D	E	F	G	Н	I	J	
263	whereas in reality t	hese all cha	nge year to year, int	roducing m	ajor change	s in the act	ual results. It does	not addres	s the proble	em	
264	of sequence of inve	estment retu	rns that may radica	lly affect lor	ng-term ret	urns. The re	eality is that all futu	ire rates of	returns, CP	ls,	
265	COLAs, tax rates, ta	x rules and	schedules, deductio	n schedules	, etc., are u	nknown. Ho	wever, we know t	hey will var	y and both		
266	of these factors ma	y greatly aff	ect future results. B	etter metho	ods such as	Monte-Carl	o or randomized se	equences of	factual past		
267	returns may improv	ve the mode	l, but still cannot gu	arantee ret	urns. These	methods a	re beyond the scop	e of this sp	readsheet.		
	Black Swan events			nk 9/11 and	the 2007-2	2009 Great I	Recession. These re	esults are re	eally ball-pa	rk	
	estimates, but still	may be use	ful for planning.								
270											
271											
272	1.3 How the sp	readshee	et works								
273	Each worksheet has INSTRUCTIONS that explain what is needed to be filled out in that worksheet. As data is entered,										
274	remember to save the Excel workbook (spreadsheet) after or during your editing of the various worksheets. Entered data										
	will not be saved ur		•	•		•	•				
	saving the spreadsh		<u> </u>	•			tion 3. Detailed dir	ections for	using the		
	spreadsheet below	for a more	detailed description	for using th	ne spreadsh	eet.					
278											
	First, enter your p						•				
	First specify which									its	
	that apply to your p										
	Specify whether to		-				•		ion S.2 .		
	Finally, specify whe	ther to add	scheduled contribut	ions and wi	ithdrawals f	or the inves	stment accounts in	table S.3 .			
284											
	Then enter your									_	
-	After editing the S.	Setup work	sheet, you should e	dit the 1. A {	g eData wor	ksheet, and	enter basic tax fil	ing data in t	the 2. TaxD a	ata .	
	worksheet.										
288					1 1144	. =	5."				
	9 Then enter your data into the relevant "3. WorkData" through "10. ExpensesData" worksheets										
	0 Visit each of the other data-entry worksheets that apply to you and enter your data. Ignore the other ones that may have 1 zero values for the data. Some worksheets allow the entry of multiple sets of data as a table we call a "Table-GUI" - for example										
						or data as	a table we call a " <i>l</i>	abie-GUI" -	- ior examp	ie	
292	multiple jobs. (See	tne giossary	in Appendix C for r	nore details	5).						
		final recult	ain tha IID. Danilt	عاميات ميير الو	at after e	السمين ماجد	a is antoned				
	Finally, view the							الماسمين مطاريا	oot proces	<u></u>	
295	After all data is ento	erea, view t	ne results, which are	e summarize	ed in the R.	kesuits wo	rksneet. The K. Res	uits worksh	ieet present	.5	

	А	В	С	D	Е	F	G	Н	I	J
296	intermediate results	s computed	in the rest of the w	orksheets ir	n a more rea	adable form	at presenting a glo	bal picture	of the	
297	glide-paths for the o	different ac	counts and compute	d results or	n a year-by-	year basis.				
298										
299										
300	1.4 Brief list of	the work	ksheets							
301	The worksheets ar	nd their Ex	cel tabs are color o	coded by fu	unction. W	e list the m	nain purpose of tl	ne followir	ng workshe	ets.
302	See each workshe	et for mor	e details.							
303										
304	Introduction work	ksheet is wl	hite.		overview o	locumentat	ion of the IPT			
305										
306	SimpleCalc works	heet:	<u>SimpleCalc</u>		elementar	y glide-path	calculator			
307										
_	View a summary of			Setup, and						
309	Assumptions wo		<u>Assumptions</u>		•		tings by user in the	other worl	ksheets	
_	The Assumptions w	orksheet is	s not edited since it s	summarizes	data enter	from other	worksheets.			
311										
312	Results workshe		R. Results				eet glide-path resu		ntering your	data
_	The R. Results work	sheet is no	t edited since it sum	marizes con	nputed resเ	ılts from the	e other worksheets	5.		
314										
315	Configuration wo	rksheets:	S. Setup				re spreadsheet (inc			
316			1. AgeData				et returns, insuranc	e used thro	ughout spre	eadsheet
317			2. TaxData		enter Fede	ral tax data	a and filing status			
318	The a fine and a constant of the left	- : c			•					
320	The income workshe	· · · · · · · · · · · · · · · · · · ·	3. WorkData	es of yearly		ant or futur	 e work income dato	a if any		
321	income workshe		4. Pension Data				e pension income d			
322			5. SocSecData				e Social Security inc		if any	
323			6. AnnuityData				e annuity income o		ij uliy	
324			o. AlliuityData		criter curre	in or juitare	annuity income t	iatu, ij uliy		
_	The investment acco	ounts may l	be a source of incom	e by taking	withdrawa	ls. Contribu	tions to these acco	unts are an	expense	
326	Investment work		7. IRAdata	7			accounts data, if			
327			8. RothData				nts data, if any (cur	-	-	
328			9. SavingsData				accounts data, if a			

	Α	В	С	D	Е	F	G	Н	I	J
329										
330	The worksheet whe	ere you ente	er your yearly expens	ses.						
331	Expense worksh	eet:	10. ExpensesData		enter expe	nses data (d	current or future)			
332										
333	The worksheet whe	ere the year	ly cash-flow is comp	uted (Incor	ne + Withdi	rawals - Con	tributions - Expens	ses - Taxes).		
334	The CashData work	sheet is not	edited.							
335	Cash-flow works	sheet:	11. CashData		summarize	es the cash j	flow from the other	r worksheet	S	
336										
337	The RMD tables are	used with	deductable-IRAs and	d 401(k)-Rot	h withdraw	als is in the	RMDtable worksh	eet.		
338	The RMDtable wor	ksheet is no	t edited unless the I	RS updates	its RMD dat	ta.				
339	RMD tables wor	ksheet:	12. RMDtable		contains ti	he IRS Requi	ired Minimum Disti	ribution dat	а	
340										
	The remainder of the		et contain additional	documenta						
342	Resources works	sheet:	RS. Resources		outside res	sources incl	uding books, article	es and web	sites	
343										
344	Appendix A work		Appendix A				ables and sections	I		
345	Appendix B work		Appendix B			special calc				
346	Appendix C work		Appendix C			f terms used				
347	Appendix D worl	ksheet:	Appendix D				sion-List history			
348	FAQ worksheet:		FAQ		Frequently	Asked Que	stions			
349										
-	•		worksheets accoun					•		
		s, rates of re	turn (ROR), COLAs, e	etc.). There	is a detailed	list of all th	nese worksheets ta	bles and se	ctions in	
	Appendix A.									
353										
		-	neet are protected e				•			
	Because entering data in non-red cells might corrupt the spreadsheet, we protect all worksheets except for red cells where									
_		•	t may be unprotecte							
	on <u>Unprotect works</u>	<u>sheet</u> . For n	nore details on prote	ecting/unpro	otecting wo	rksheets, se	ee RS. Resources R	S.9 Excel re	sources.	
358										
359										
360	1.5 How the ye	early inco	me stream cash	-flow and	d net wo	rth are ca	alculated			
361	Both scheduled and	d irregular w	vithdrawals taken fro	om the tax-o	deferred IRA	A, Roth IRA,	and savings accou	nts are adde	ed to the	

Cash(y) = Income(y) + Withdrawals(y) - SavingsContributions(y) - Expenses(y) - Taxes(y) + Insurance Payout(y) Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) 368 369 Then, the cash balance is added (subtracted if negative) to the savings account for the next year, 370 taking contributions and withdrawals into account 371 372 Savings(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) 373 IRA(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+RATeturn) 374 ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) 375 376 377 Wears from the tax-deferred IRA and/or taxable savings with high unrealized capital gains. Doing this over several years 378 379 379 370 370 371 371 371 371 372 373 374 375 375 376 377 377 377 377 378 379 379 370 370 370 371 371 371 370 371 371		. 1								Ι.		
State taxes (2. TaxData worksheet) are taken from the cash account. The following equations give a top-level explaination of the computations. For each year y, computations give a top-level explaination of the cash solar contributions and withdrawals(y) - RARWithdrawals(y) - ROTHwithdrawals(y) and cash balance is added (subtracted if negative) to the savings account for the next year, contributions and withdrawals into account cash cash cash cash cash cash cash cash					_	_				<u> </u>	<u> </u>	
Cash(y) = Income(y) + Withdrawals(y) - SavingsContributions(y) - Expenses(y) - Taxes(y) + Insurance Payout(y) Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) Then, the cash balance is added (subtracted if negative) to the savings account for the next year, taking contributions and withdrawals into account RoTH(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) RAIQ(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+RATeturn) ROTH(y+1) = [IRA(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) To be supposed to the cash-flow and thenput back into savings. Then the future expense will be covered and the savings with high unrealized capital gains. Doing this over several years you from the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional 379 withdrawals are added to the Cash-flow and thenput back into savings. Then the future expense will be covered and the cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 and S2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative balance. This is enabled in the Setup S.2 and S2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so a saving							•	<u> </u>				
Cash(y) = Income(y) + Withdrawals(y) - SavingsContributions(y) - Expenses(y) - Taxes(y) + Insurance Payout(y) Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) Big Then, the cash balance is added (subtracted if negative) to the savings account for the next year, taking contributions and withdrawals into account Savings(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) RA(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+RACETURN) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) To the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the savings cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse \$1\$ and \$2\$ and \$2\$ worksheet. If the cash flow for either \$1\$ or \$2\$ is negative, it then subtracts the negative amount from the positive one so with eave excess or insufficient cash is handled at the end of each year Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Big Each year, all income and investmen					the cash ac	count. The	following ed	quations give a top	-level expla	ination of t	ne	
Cash(y) = Income(y) + Withdrawals(y) - SavingsContributions(y) - Expenses(y) - Taxes(y) + Insurance Payout(y) Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) 368 369 370 371 371 372 373 374 375 377 378 379 370 370 371 371 377 377 378 379 370 370 370 371 371 371 372 373 374 375 376 377 377 377 377 378 379 370 370 370 371 371 371 371 372 373 374 375 376 377 377 377 377 378 379 370 370 370 371 371 371 372 373 374 375 375 376 377 377 377 377 378 379 379 370 370 370 370 371 371 371 371		computations. For e	each year y,									
Withdrawals(y) = SavingsWithdrawals(y) + IRAwithdrawals(y) + ROTHwithdrawals(y) 1086 1087 1086 1097 1086 1097 1087 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1097 1088 1088 1089 1089 1089 1089 1089 1089	365											
369 Then, the cash balance is added (subtracted if negative) to the savings account for the next year, 370 taking contributions and withdrawals into account 371	-								nce Payout	(y)		
Then, the cash balance is added (subtracted if negative) to the savings account for the next year, 370 taking contributions and withdrawals into account 371 and a savings(y+1) = [Savings(y)+ SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) 372	367		y) = Savings	sWithdrawals(y) + II	RAwithdraw	vals(y) + RO	THwithdrav	wals(y)				
taking contributions and withdrawals into account Savings(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) RA(y+1) = [IRA(y) + IRAContribution(y) - IRAwithdrawal(y)] * (1+IRAreturn) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) The group of the money over several group of the money over several group ove	368											
Savings(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) IRA(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+IRAreturn) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) If large future irregular expenses planned, to minimize taxes you may want to withdraw some of the money over several years from the tax-deferred IRA and/or taxable savings with high unrealized capital gains. Doing this over several years prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the associated by rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the own with extra cash may help out the other who has a negative balance. Sast How excess or insufficient cash is handled at the end of each year and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) associated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the associated and new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled						savings acc	ount for the	e next year,				
Savings(y+1) = [Savings(y) + SavingsContribution(y) - SavingsWithdrawal(y)] * (1+SAVINGSreturn) + Cash(y) IRA(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+IRAreturn) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) 375 376 If large future irregular expenses planned, to minimize taxes you may want to withdraw some of the money over several years from the tax-deferred IRA and/or taxable savings with high unrealized capital gains. Doing this over several years prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the day withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the latter of the saving with latter of the saving with latter of the savings of the mass an egative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. 388 489 490 490 490 490 490 490 4	370	taking contributions	s and withd	rawals into account								
IRA(y+1) = [IRA(y) + IRAcontribution(y) - IRAwithdrawal(y)] * (1+IRAreturn) ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) 375 376 377 378 378 379 379 379 379 370 370 370 371 371 371 371 371 372 378 379 370 370 370 370 371 371 371 371 372 373 378 378 378 378 378 378 378 378 378	371											
ROTH(y+1) = [ROTH(y) + ROTHcontribution(y) - ROTHwithdrawal(y)] * (1+ROTHreturn) 375 376 377 378 378 379 379 370 371 377 377 377 378 378 379 377 377 377 378 378 379 379 370 370 371 370 371 371 371 371 371 371 372 373 373 374 375 377 377 377 377 377 377 377 377 377	372	Savings(y+1) =	= [Savings(y	r) + SavingsContribu	tion(y) - Sav	vingsWithd	rawal(y)] *	(1+SAVINGSreturi	n) + Cash(y	')		
If large future irregular expenses planned, to minimize taxes you may want to withdraw some of the money over several prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the loss cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 ly rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 ly worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so least the one with extra cash may help out the other who has a negative balance. Savings How excess or insufficient cash is handled at the end of each year Savings Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) Savings account on either a specific schedule events. For example, you might schedule yearly withdrawals from the Savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a In the cash of the cash	373	IRA(y+1) = [IR	A(y) + IRAc	ontribution(y) - IRA	withdrawal	(y)] * (1+IR	Areturn)					
If large future irregular expenses planned, to minimize taxes you may want to withdraw some of the money over several gray years from the tax-deferred IRA and/or taxable savings with high unrealized capital gains. Doing this over several years prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the drawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the drawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the drawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the drawals are added to the Cash-flow and then the savings in the future expenses will be covered and the drawals are added to the Cash-flow and then the savings in the future expenses will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense will be covered and the drawals are an expense of the money of the manuschild and the positive and the drawals are an expense of the money of the manuschild and the expense and taxes are an expense of the money of the manuschild and the positive and the drawals are an expense of the money	374	ROTH(y+1) = [ROTH(y) + F	ROTHcontribution(y) - ROTHwit	hdrawal(y)] * (1+ROTI	Hreturn)				
years from the tax-deferred IRA and/or taxable savings with high unrealized capital gains. Doing this over several years prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the local cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 local prebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. How excess or insufficient cash is handled at the end of each year asked Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) ask is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	375											
prior to the expense may possibly avoid going into a much higher marginal tax bracket. Then when these additional withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the Cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 by rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. Beach year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	376	If large future irregi	ular expens	es planned, to minin	nize taxes yo	ou may wan	nt to withdra	aw some of the mo	ney over se	everal		
withdrawals are added to the Cash-flow and thenput back into savings. Then the future expenses will be covered and the Cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 by rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. How excess or insufficient cash is handled at the end of each year Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000).	377	years from the tax-	deferred IR	A and/or taxable sav	ings with hi	gh unrealize	ed capital ga	ains. Doing this ove	er several y	ears		
Cash-flow will not show a negative amount. There is an option in the 11. CashData worksheet to rebalance spouse S1 and S2 by rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. Sast	378	prior to the expense	e may possi	bly avoid going into	a much higl	her margina	ıl tax bracke	et. Then when thes	e additiona	l		
by rebalancing cash between them for a year in which one of them has a negative balance. This is enabled in the Setup S.2 worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. Bas How excess or insufficient cash is handled at the end of each year Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	379	withdrawals are add	ded to the (Cash-flow and thenp	ut back into	savings. Th	en the futu	re expenses will be	e covered a	nd the		
worksheet. If the cash flow for either S1 or S2 is negative, it then subtracts the negative amount from the positive one so the one with extra cash may help out the other who has a negative balance. How excess or insufficient cash is handled at the end of each year Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	380	Cash-flow will not s	how a nega	tive amount. There	is an option	in the 11. C	CashData w	orksheet to rebalar	nce spouse	S1 and S2		
the one with extra cash may help out the other who has a negative balance. 384 How excess or insufficient cash is handled at the end of each year 385 Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. 387 Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) 388 is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the 389 difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the 390 savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a 391 new car as a specific dollar amount (e.g., \$22,000). 392 400 How life insurance payouts are handled	381	by rebalancing cash	between t	them for a year in w	hich one of	them has a	negative ba	llance. This is enab	led in the S o	etup S.2		
How excess or insufficient cash is handled at the end of each year 386 Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. 387 Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) 388 is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the 389 difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the 389 savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a 389 new car as a specific dollar amount (e.g., \$22,000). 389 How life insurance payouts are handled	382	worksheet. If the ca	sh flow for	either S1 or S2 is ne	gative, it th	en subtract	s the negati	ve amount from th	e positive o	one so		
How excess or insufficient cash is handled at the end of each year Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	383	the one with extra	cash may he	elp out the other wh	o has a neg	ative baland	ce.					
Each year, all income and investment withdrawals are "added" into the cash-flow table in 11. CashData worksheet. Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	384											
Expenses and taxes are "removed" or subtracted from the 11. CashData worksheet. The resulting excess (or shortfall) is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	385	How excess or ins	sufficient c	ash is handled at	the end of	each year						
is calculated and added or (removed) from the taxable savings in 9. SavingsData. Here is an example to help clarify the difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	386	Each year, all incom	ne and inves	stment withdrawals	are "added'	' into the ca	sh-flow tab	le in 11. CashData	worksheet.			
difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	387	Expenses and taxes	are "remov	ed" or subtracted fr	om the 11.	CashData w	vorksheet. 1	The resulting exces	s (or shortfa	all)		
difference between scheduled and unscheduled events. For example, you might schedule yearly withdrawals from the savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled	388	is calculated and ad	lded or (ren	noved) from the tax	able savings	in 9. Saving	gsData. Here	e is an example to	nelp clarify	the		
savings account on either a specific schedule (e.g., 1%/year) or on an irregular basis such as a particular withdrawal for a new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled												-
new car as a specific dollar amount (e.g., \$22,000). How life insurance payouts are handled												
How life insurance payouts are handled												
393 How life insurance payouts are handled	392											
		How life insurance	e payouts	are handled								
394 If there is a life insurance payout for S1 and/or S2 for policies described in 1. AgeData section 1.4, the payout is added to the income					or policies of	described in	1. AgeData	section 1.4 . the n	avout is add	ded to the i	ncome	

	А	В	С	D	Е	F	G	Н	ı	J
395	in 9. SavingsData t	table 9.4.2.1	tax-free to the savi	ngs accordir	ng to the pa	yee (S1, S2	or Other).			
396							,			
397										
398	2. The two ver	sions of t	he IPT spreadsh	eets you	may dov	vnload: "	Demo" or "Us	er"		
399	The spreadsheet is	distributed	in two different vers	ions depen	ding on wh	ether it has	demonstration (de	emo) data o	r not.	
400	The demonstration	(Demo) vei	rsion has all data-en	try workshe	ets data se	t up for der	nonstration purpo	ses to give		
401	typical examples of	f reasonable	values. However, t	o make it ea	sier to ente	er your data	, a User version is	provided w	ith all	
402	data entry fields se	t to blank (c	or \$0 or 0%) as appro	priate.						
403										
404	The spreadsheet	files are dis	stributed with the i	name, vers	ion numbe	er, and rev	ision data as part	of the file		
405	The file names fo	r both vers	ions of the " <u>Incom</u>	e Planning	Tool" are	prefixed w	ith " IPT- ".			_
406	For example, the	version nu	<u>mber</u> is indicated a	ıs:	V.0.19.2					_
407	This is followed b	y the relea	se date indicated b	y:	11-8-2015	1				_
408										
409		a) full de	mo data	IPT-Demo-	V.0.19.2-11	-8-2015a.xl	lsx			
410		b) no der	no data	IPT-User-V	.0.19.2-11-8	8-2015a.xls	х			
411										
412	a) The Demo version	on is the spr	eadsheet with full de	emonstratio	n data. It is	useful for v	viewing examples o	f date you	might enter	
413	in all worksheets.	. In most peo	ople's situations, you	ı might only	use a few o	of these typ	es of income sourc	ces for your	data.	
414	b) The User version	n of the spre	adsheet has no dem	onstration	data and is	ready for yo	ou to enter your ov	vn data. All	data	
415	entries are set to	either \$0 or	0.0% in all data-ent	ry workshe	ets. All worl	sheets are	unselected in work	ksheet S. Se	etup.	
416										
417	To enter data eit	her overrid	le the demonstrat	ion (<u>Demo</u>) data vers	ion or use	the empty <u>User</u>	version		
	· · · · · · · · · · · · · · · · · · ·		use any particular da		•					
$\overline{}$			orksheets that you o		· · · ·			•		<u> </u>
-			by setting the incom						e them from	
-	<u>_</u>		ent returns for the in							
$\overline{}$	•		current year for each		•			+ or -).		
			sables the use of Irre	~			· · · · · · · · · · · · · · · · · · ·			
	-		eet S.3 enables/disa	bles the use	e of schedu	led contribu	utions and withdra	wals by		
-	selecting "yes" or "	'no".								
426										
427	2.1 Disclaimer									

	А	В	С	D	Е	F	G	Н	1	J
428	This software mod	lels an incor	me stream from sev	eral differe	nt income s	ources, inv	estment withdraw	als,	•	
429	expenses, taxes and cash-flows over time. No claim is made to the accuracy, suitability, and correctness of the									
430	algorithms. Also, note that the further out one goes over time, the less accurate any estimates will be. Since the									
431	software uses stati	<mark>c models ar</mark>	d static rates of ret	urn, CPI, et	c. that are e	entered, it v	will not track actua	l market va	lues	
432	over time. The soft	ware uses o	only Excel formulas	and does no	ot use Visua	ıl Basic (VB)	<mark>4) , so may can eas</mark>	ily review		
433	all computations a	s desired. B	ecause it uses gene	ric spreadsl	heet coding	(with no V	BA), it will run in a	variety of		
434	spreadsheet progra	ams such as	Windows Excel, fre	e OpenOffi	ce or Libre(Office "calc'	<mark>', free Google "she</mark>	et", etc Us	se this	
435	software at your o	wn discretio	n and risk as an init	ial way to t	hink about	personal fi	<mark>nance problems. T</mark>	his is educa	itional	
436	software. Absolute	ly no warra	nty is offered for th	is software	and no res	ponsibility i	is taken for any er	rors in. or u	se of	
437	the software.									
438										
439										
440	3. Detailed dire	ections fo	r using the spre	adsheet						
441	This section elabo	rates on th	ne discussion in the	e above. " 1	.3 How th	e spreadsh	neet works" secti	on. The spi	readsheet	
442	as distributed with	the <u>Demo</u> v	ersion has demonst	ration data	entered in	red cells the	rough the workshe	et. Enter da	ta by overv	vriting
443	the demonstration	data, or use	the <u>User</u> version to	enter your	data instea	d (see secti	on 2. above). You r	night <i>SaveA</i>	s your	
444	spreadsheet with a	new file na	me as you make cha	nges. The d	emonstration	on data pro	vides examples of	answers to	give an ide	a
445	of typical values. N	ote that ne	gative numbers are s	shown as re	d (\$1,234) ı	rather than	-\$1,234, and shoul	d not be ed	ited.	
446										
447	The first workshe	ets you sh	ould use to enter	your data						
448	First configure the	spreadsheet	to your personal sit	uation in w	orksheet		S. Setup	sections S.	1 to S.3. By	gnoring
449	any worksheets you	ı specified i	n S. Setup section S.	1, the sprea	dsheet will	ignore that	data. First, enter	data in the		1. AgeData
450	and the	2. TaxData	worksheets since the	nese are use	ed by the al	I the other o	data worksheets. Ir	n table S. Se	tup S.1 dec	lares
			are applicable to yo					.		
			e or not use irregula							
			the spreadsheet to υ							
	Most of the S.2 and	S.3 queries	require a " <mark>yes</mark> " or "	' <mark>no</mark> " answei	r with one q	uestion usi	ng having a "keep"	or "remov	e" query.	
455										
	Then, enter data				_			_		
			ration in the S. Setup					•		
			WorkData through :	•		•			eet (see	
-	section 1.4 above f	or a list of d	ata entry worksheet	s). Again, o	nly enter da	ita in the re	d cells on the work	sheets.		
460										
461	3. WorkData,	4. Pension	Data, 5. SocSecData,	, 6. Annuity	Data, 7. IRA	Adata, 8. Ro	thData, 9. Savings	Data, 10. Ex	kpenses Dat	:a

	А	В	С	D	Е	F	G	Н	1	J
462										
463	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									
464	income, contribution, withdrawal, etc., amounts for that worksheet. That lets the data be ignored in computing the results from									
465	the various data so	urces.								
466										
-			the "R. Results" w							
	•		various worksheets,				recompute value	1	1	
	•		changes. In particu							t. You can see
			affects the results b					1		
	you are currently w	orking on.	n addition, the user	entered da	ita is summa	arized in the	9	Assumptio	ons	worksheet.
472		•••	· · · ·	•						
			onfigurations afte	_		<u>-</u>				
	•		eam in various ways						• • •	
			es such as stopping ty at different ages,							g a
-			gular expenses, redu					Savings at 0	FAQ	"12 What tunes
			ted using this spread			•			FAQ	"13. What types
479	oj questions inigit	be investigu	ted using this spread	usileet: ei	101 30111	e suggestio	113.			
_	Where you may e	enter data								
			indicates whether	it is used fo	r data entrv	or displavir	l ng results.			
482			er or edit data in R		,		.g · cc arec			
483			ells are normally i		unless the	IRS chang	es various tay ra	tes (do no	t edit)	
			•			_		tes (do no	t earty.	
484			are major results				t edit).			
485		BLACK cell	s are intermediate	e computa	tions (do r	ot edit).				
486		GRAY area	s of the other wo	rksheets ir	dicate wh	ere the an	alysis has not be	en implem	nented yet	
487		and should	d be ignored.							
488										
489	9 All data entry is at the top of each of the data entry worksheets. The following message indicates that there is									
490	no editable data l	pelow the r	nessage.			_				
491										
492		> DO I	NOT CHANGE ANY	VALUES in	the follo	wing table	s in this workshe	et. <	'	
.52						0				

	А	В	С	D	E	F	G	Н	1	J
493										
494										
495	4. A detailed lis									
496										
497	Appendix A	is a detailed	d list of all workshee	t tables and	l sections. A	s mentione	d, it lists those wor	ksheets wh	nere	
			ets that may have to							
-			d, and finally the R.							
-			ze yourself with the	• • • • • • • • • • • • • • • • • • • •					resented -	
-	or just view the diff	erent work	sheets. It also lists ex	kternal reso	urces and v	arious appe	endices subsections	5.		
502										
503										
-			version of the	-						
		FAQ	for details on the w			•			andle includ	e taxes.
			handled. How tax-fr							Appendix D
-		tion about t	he current status inc	luding a list	of things T	ODO and th	e ongoing REVISIO	N-LIST histo	ory.	
508										
509	Elementary glide-	<u>-path calcu</u>	ılator (SimpleCalc)		Results w	<u>orksheet (l</u>	R. Results)	<u>Next IPT v</u>	<u>worksheet</u>	(Assumptions)
510										
511										
512	Worksheet Nav	vigation.								
513	To go to a specific	workshee	t, click on one of tl	he followin	ng:					
514		<u>Introduction</u>	<u>in</u>							
515		Assumption	<u>ns</u>							
516		R. Results								
517		S. Setup								
518		1. AgeData								
519										
520										
521										
522										
523										
524		7. IRAdata								
525		8. RothDat	<u>d</u>							

	Α	В	С	D	E	F	G	Н	I	J	
526		9. SavingsD	ata a								
527		10. Expense	<u>es Data</u>								
528		11. CashDa	<u>ta</u>								
529		12. RMDtal	<u>ble</u>								
530		RS. Resources				Articles, literature, web sites					
531		Appendix A				List of all worksheets tables & sections					
532		Appendix B				Extra calculators					
533		Appendix C				Glossary of terms					
534		Appendix D	<u>)</u>	List of outstanding issues and Revision list							
535		<u>FAQ</u>		Frequently	Asked Que	estions					

9/23/2016 9:20 AM

	K
1	
2	
3	
4	
5 6 7	
6	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	

9/23/2016 9:20 AM

	К
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	

9/23/2016 9:20 AM

	K
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95 96	
97	
31	

	K
98	
99	•
100	
101	
102	
103	
104	
105	
106	
107	
108	
109	
110	
111	
112	
113	
114	
115	
116	
117	
118	
119	
120	
121	
122	
123	
124	
125	
126	
127	
128	
129	
130	
131	