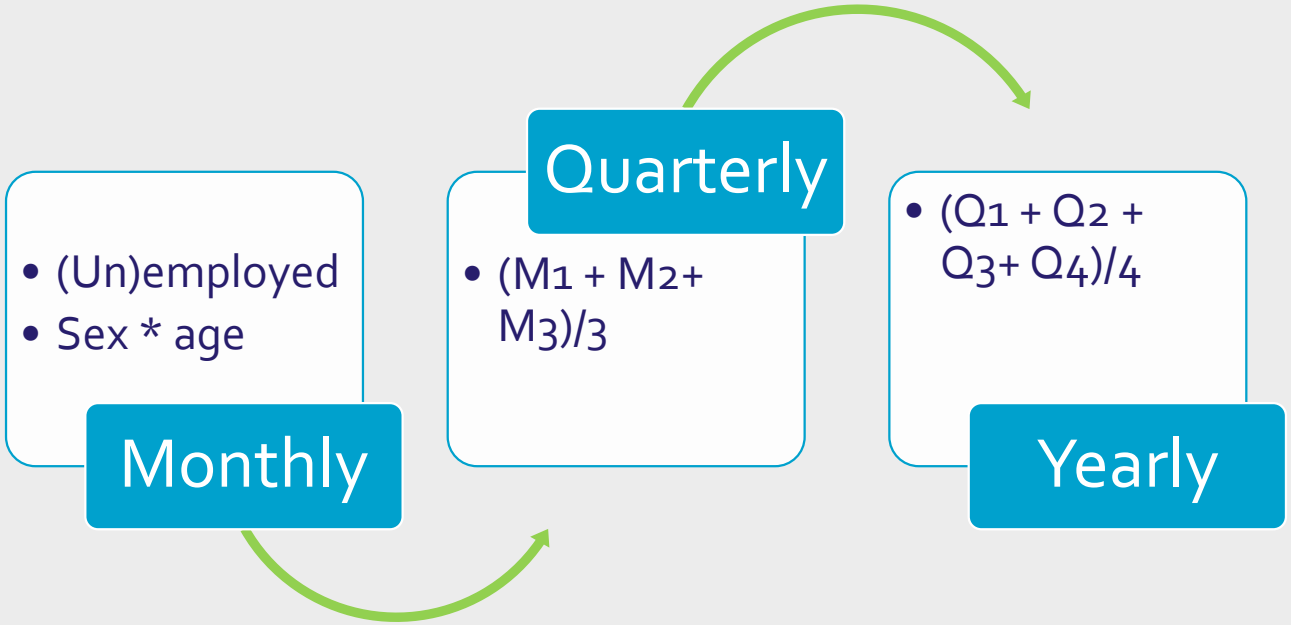
Consistent weighting - including flow estimates

Martijn Souren

Centraal Bureau voor de Statistiek

Monthly
Quarterly
Yearly

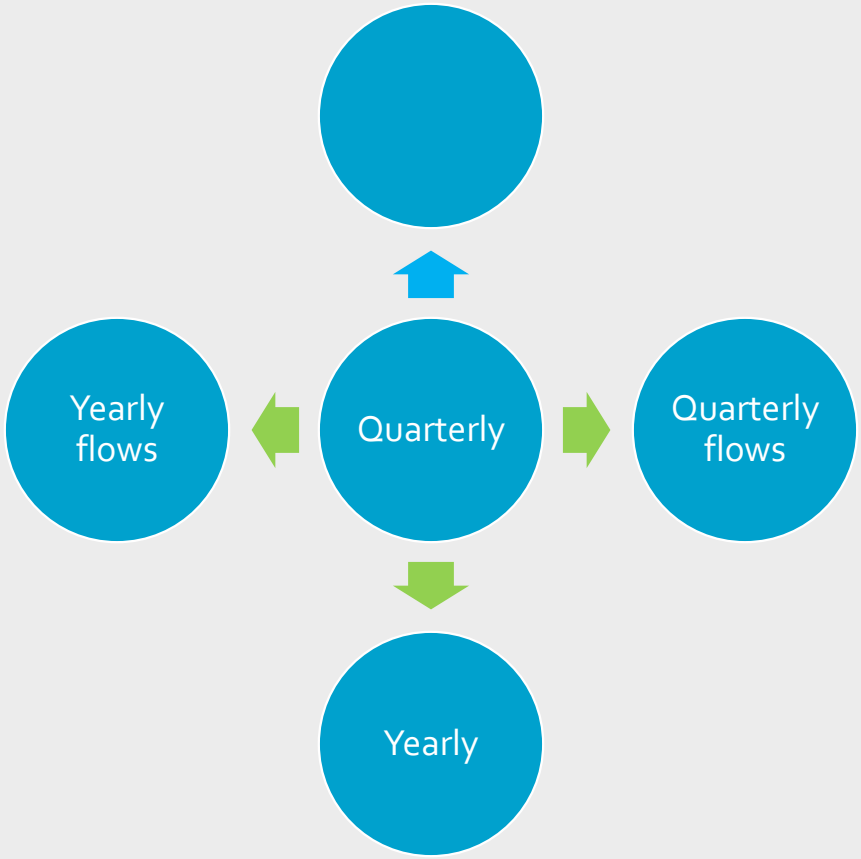
Monthly
Quarterly
Yearly


Monthly
• (Un)employed
• Sex * age
Quarterly
• (M1 + M2+ M3)/3
Yearly
• (Q1 + Q2 + Q3+ Q4)/4

Consistent weighting for target variables: (un)employed for sex * age

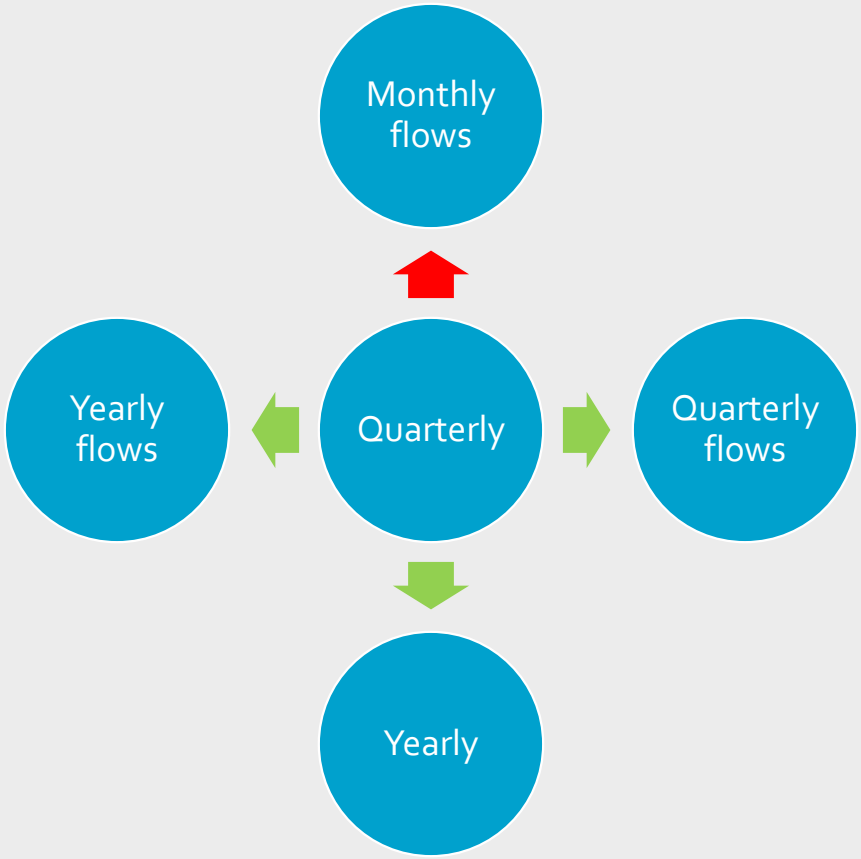
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly estimates												
W1												
W2..												
W5												
Quarterly estimates												
W1	(Jan + Feb + Mar)/3 And/or Jan/3 + feb/3 + Mar/3											
W2..												
W5												
Yearly estimates = (Q1 + Q2 + Q3 + Q4)/4												
W1	(Jan + Feb + Mar)/3 And/or Jan/3 + feb/3 + Mar/3			(Jan + Feb + Mar)/3 And/or Jan/3 + feb/3 + Mar/3			..			..		
W2..												
W5												
Yearly estimates (one wave) = (Q1 + Q2 + Q3 + Q4)/4												
W1												
W2..	(Jan + feb + mar)/3			(Apr + May + Jun)/3			..			..		
W5												

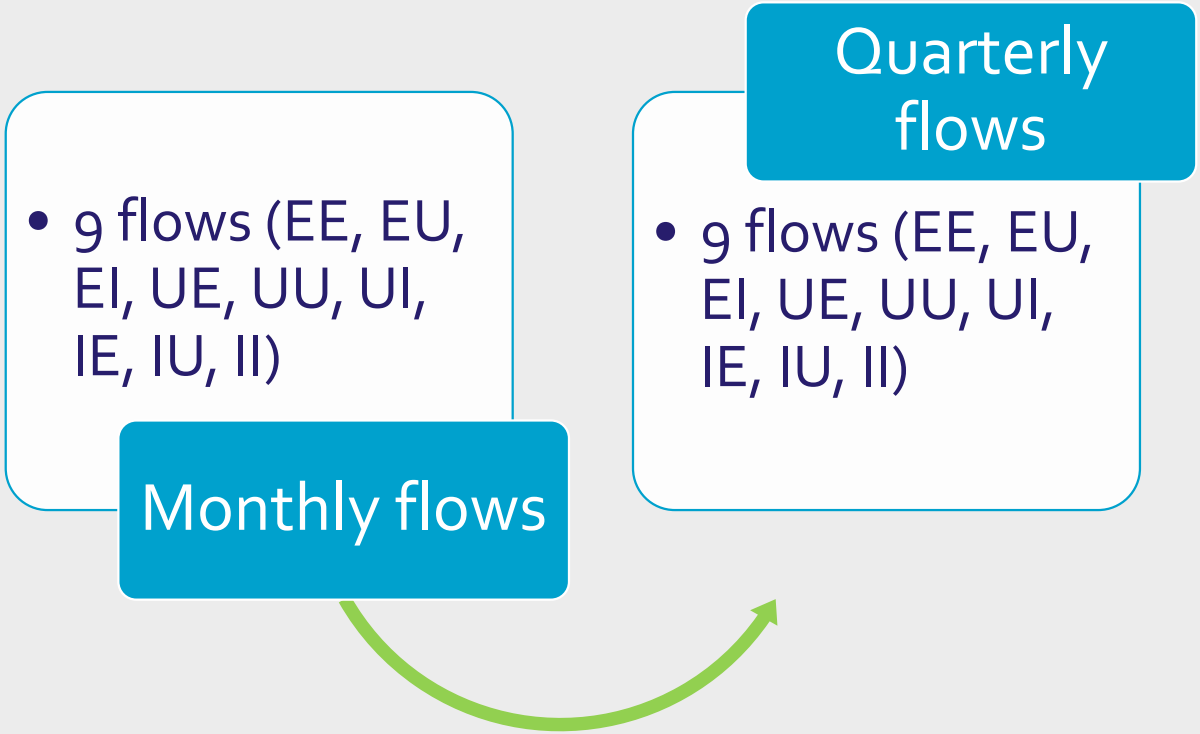
Monthly
Quarterly
Yearly


Yearly flows
Quarterly
Quarterly flows
Yearly

Current Longitudinal weighting for target variables: (un)employed in start + end period (not in labour force for end period is not consistent)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
W1												
W2..												
W5												
Quarterly flow estimates												
W1												
W2..	S: (Oct + Nov + Dec)/3 E: (Jan + Feb + Mar)/3			S: (Jan + Feb + Mar)/3 E: (Apr + May + Jun)/3			..			..		
W5												
Yearly flow estimates												
W1												
W2..												
W5	S: (J+F+M+A+M+J+J+A+S+O+N+D: t-1)/12 E: (J+F+M+A+M+J+J+A+S+O+N+D: t)/12											


Monthly flows
Yearly flows
Quarterly
Quarterly flows
Yearly


Quarterly flows
• 9 flows (EE, EU, EI, UE, UU, UI, IE, IU, II)
Monthly flows
• 9 flows (EE, EU, EI, UE, UU, UI, IE, IU, II)

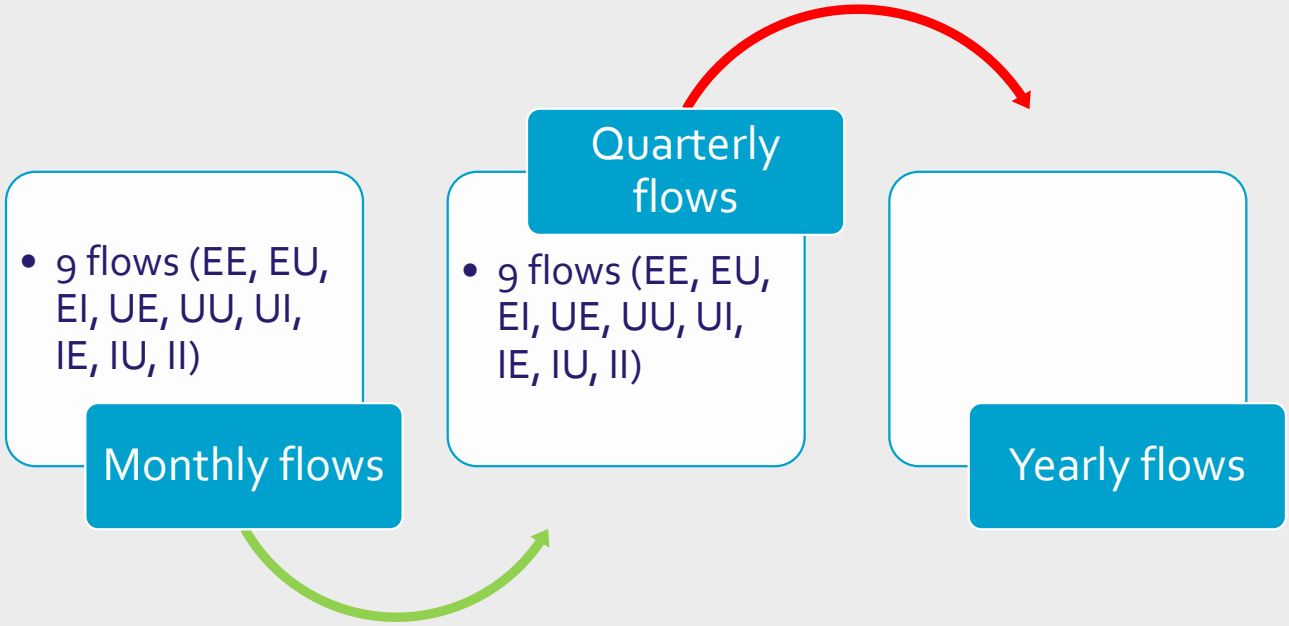
Monthly flow estimates!

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly flow estimates												
W1												
W2..												
W5												

New Longitudinal weighting for target variables: flows

(monthly flow estimates are input)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Monthly flow estimates												
W1												
W2..	s: Oct e: Jan											
W5	s: Oct e: Jan											
Quarterly flow estimates												
W1												
W2..	(Jan + Feb + Mar)/3 And/or Jan/3 + feb/3 + Mar/3			(Jan + Feb + Mar)/3 And/or Jan/3 + feb/3 + Mar/3			..			..		
W5												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Monthly flows
Quarterly flows
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Yearly flows

New Longitudinal weighting for target variables: flows

(monthly flow estimates are input)

<table>
<tr><th></th><th>Jan</th><th>Feb</th><th>Mar</th><th>Apr</th><th>May</th><th>Jun</th><th>Jul</th><th>Aug</th><th>Sep</th><th>Oct</th><th>Nov</th><th>Dec</th></tr>
<tr><td colspan="13">Monthly flow estimates</td></tr>
<tr><td>W1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>W2..</td><td>s: Oct
e: Jan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
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e: Jan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="13">Quarterly flow estimates</td></tr>
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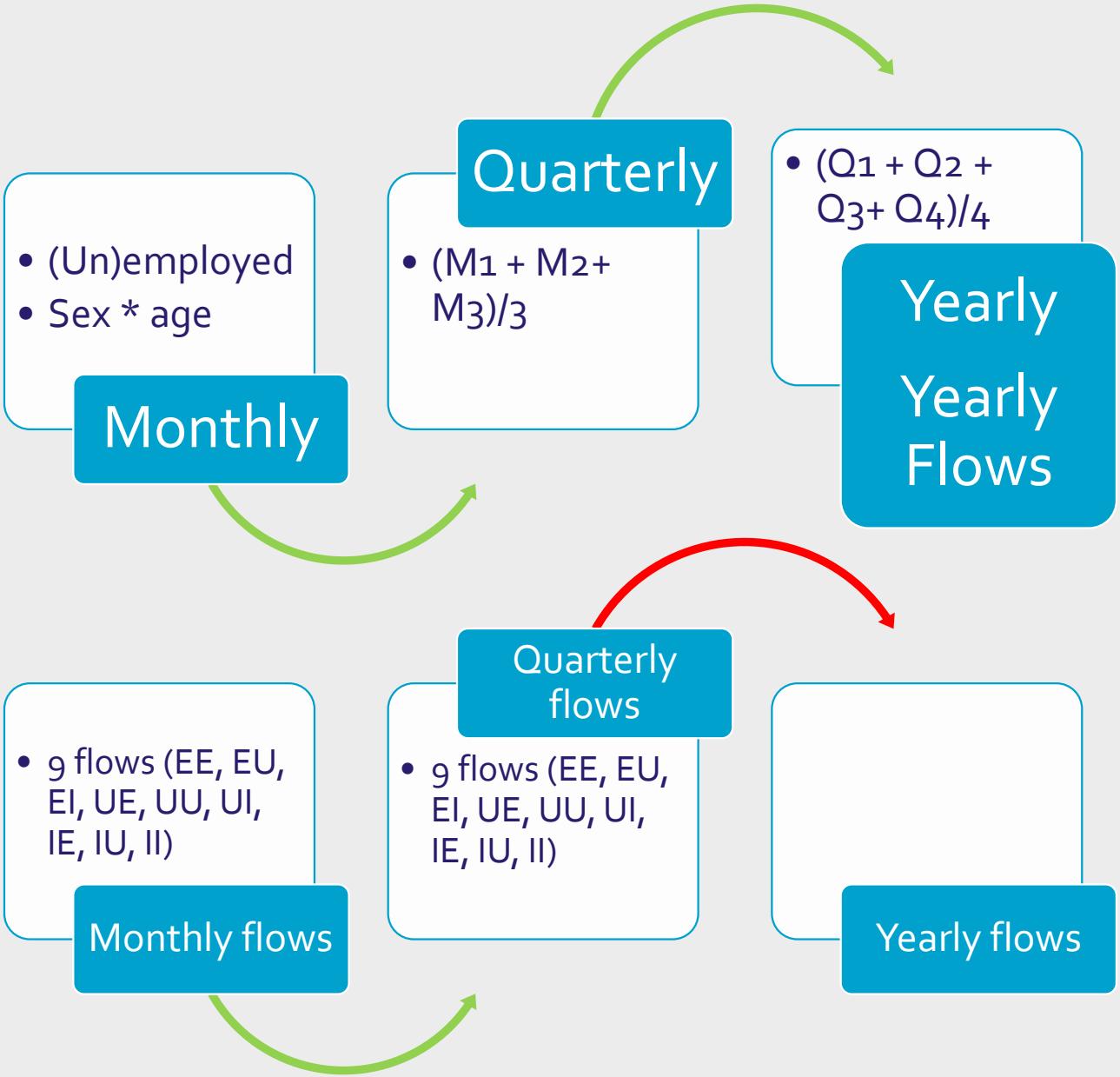
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