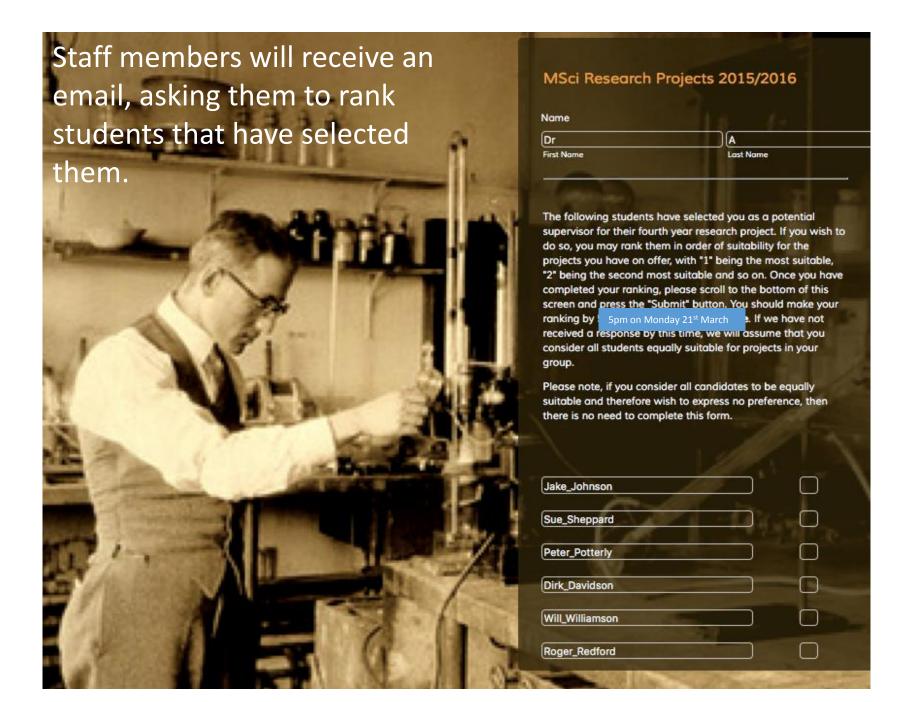
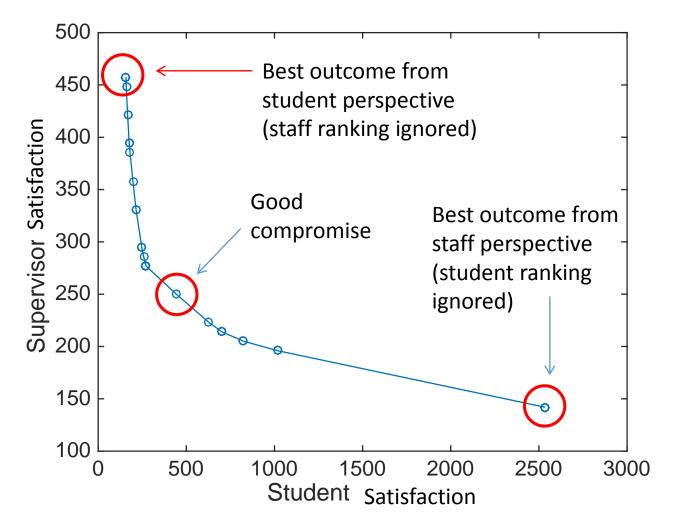
Topic	Undergraduate Project Supervision		
Issues for consideration	Project allocation		
Faculty	Natural Sciences		
Department	Chemistry		
Name	John de Mello and Ian Gould		
Email address	j.demello@imperial.ac.uk and Ian Gould		
Description of the approach taken	Accommodating student (and staff) preferences during the matching of students with staff supervisors of final year research projects has long been a challenge in Chemistry. Previously, this had been achieved strictly on the basis of student grades (highest ranked student gets 1st choice <i>etc.</i>) but in practice, for a class of ~100 required ranking by each student of at least their 6 preferred supervisors/projects and the lowest ranked students could receive their 6th choice – leading to some student dissatisfaction. John de Mello developed an allocation protocol based on the Hungarian algorithm , which is a combinatorial optimization algorithm that allow weightings for both student and supervisor preferences. In practice, this has allowed each student to rank just their 3 preferred supervisor/projects and all students receive at least their 3rd choice. See attached Appendix for a presentation of the method and its features.		
Benefits of this approach	Both staff and student preferences are accounted for and the balance between these can be varied as desired. Students need to select and rank fewer potential preferred supervisors/projects and overall are more likely to receive their higher ranked choices than previous methods had allowed. The method requires minimal administrative oversight.		
Ways in which your approach has been informed by student engagement	Student feedback on the method has been positive. There has been some debate about the transparency of the algiorithm and how the student <i>vs</i> staff choices are weighted.		
Advice for others	The method has been in use by Chemistry for 2 years now and the method could easily be adapted to work for other Departments in College.		

Maximum 400 words

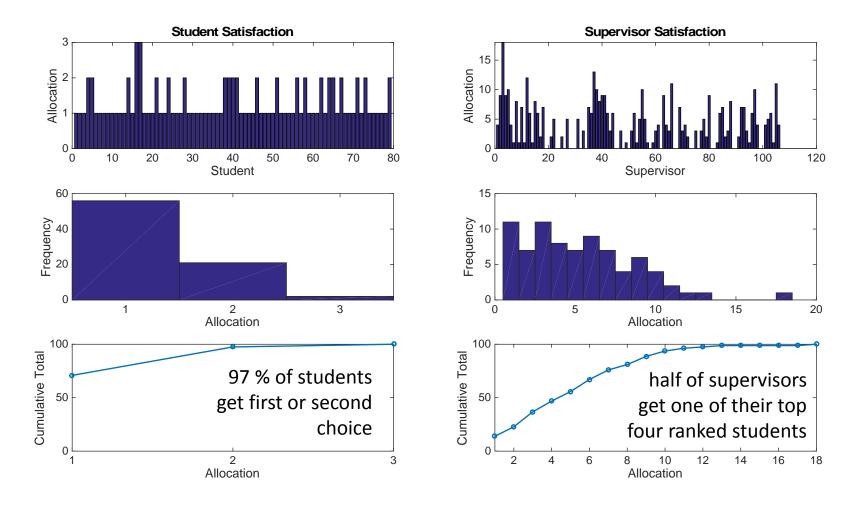
You will receive an email	MSci Rese	arch Projects 2015/2016
with a link to a web-page	Name of student	
where you will be asked to	First Name	Last Name
make your selection	THE PERSON NAMED IN	
	supervisors with	ow in order of preference the names of eight potential whom you would like to undertake a research project. Juil only be able to submit your preferences after
	Please note, befo your chosen sup	cted eight different supervisors. ore completing this form, you should speak to each of ervisors to discuss potential projects. (They are you highly if you have not made the effort to meet
	the latest. Fai	your selections by 5pm, Friday 18 th March at lure to meet this deadline with result in a ng made for you
	1st Choice	Anna_Barnard 💠
	2nd Choice	George_Britovsek 🕏
	3rd Choice	Michael_Bearpark \$
	4th Choice	Chris_Braddock 💠
	5th Choice	Silvia_Diez_Gonzalez 💠
	6th Choice	Chris_Cordier 💠
	7th Choice	Oscar_Ces 🕏
-43	8th Choice	(Tom_Bond 🕏
	2027	Submit



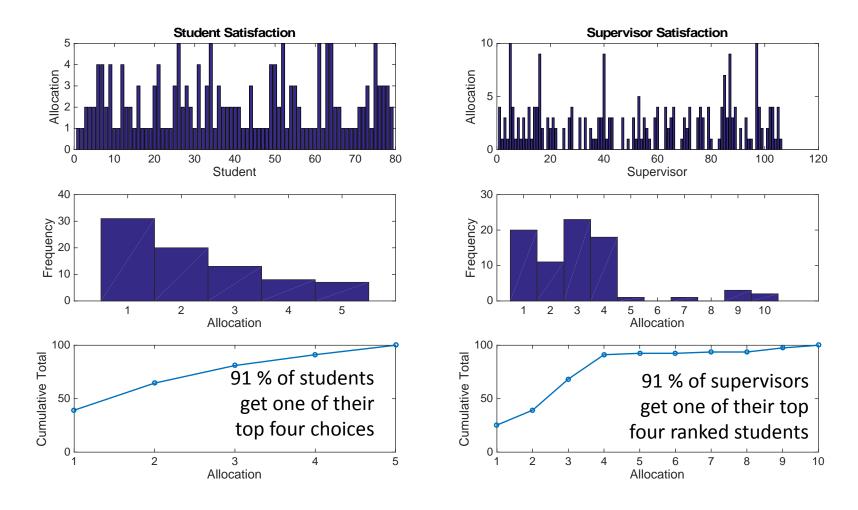
The algorithm determines different solutions depending on the weighting placed on staff and student preferences

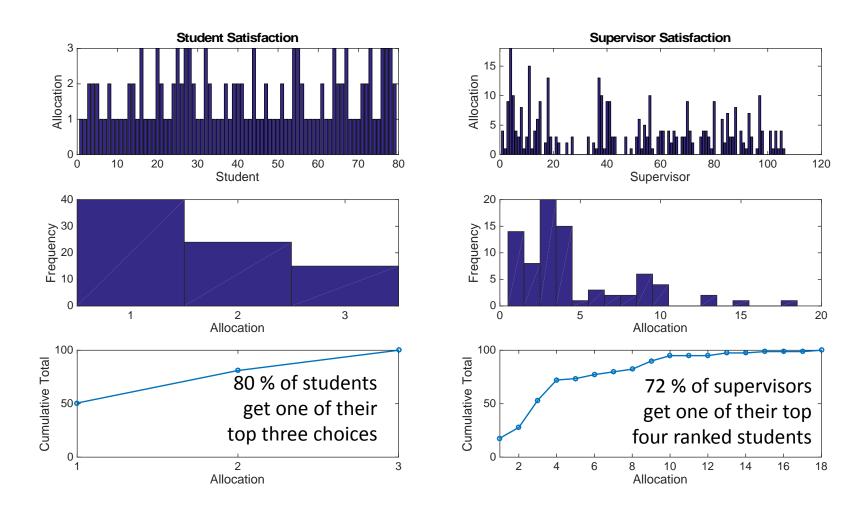


Best outcome from student perspective



Best outcome from staff perspective





Experience suggests that you should get one of your top three choices, but this depends on what selections you make as a year group!