

# HISTORICAL FINANCIAL DATA ENTRY

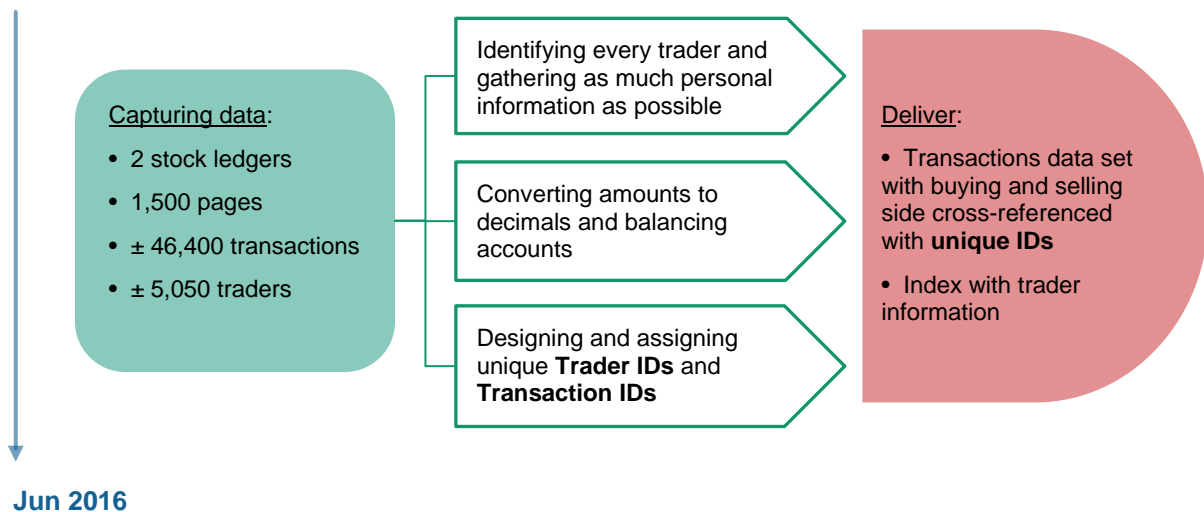
## PROJECT PORTFOLIO

### PROJECT OVERVIEW

A project driven by Finance Professors from Tilburg University in the Netherlands, required assistance collecting data from the stock ledgers of two eighteenth century companies and to accurately recreate it in a modern, user-friendly format.

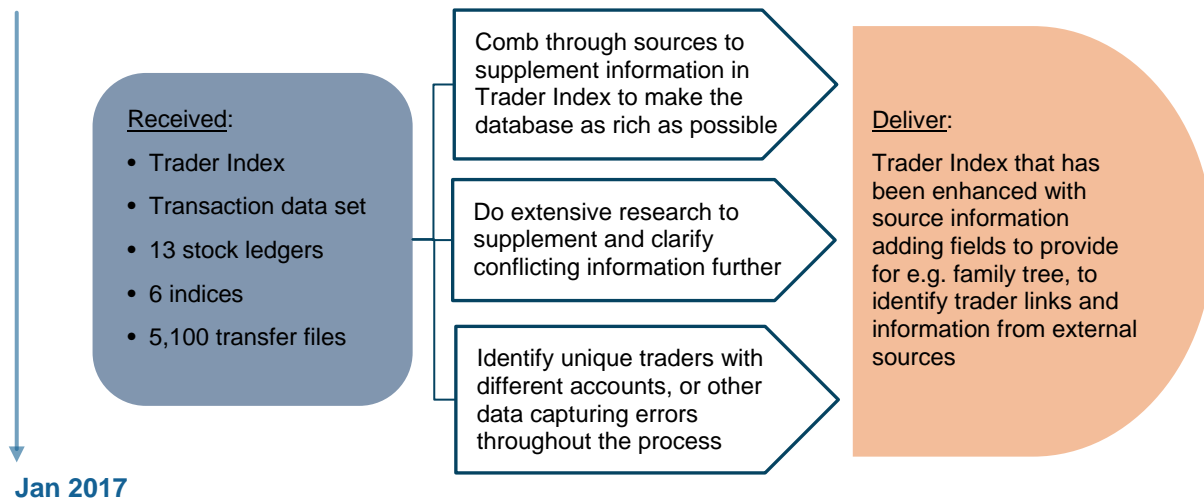
### COMPANY 1

Nov 2015

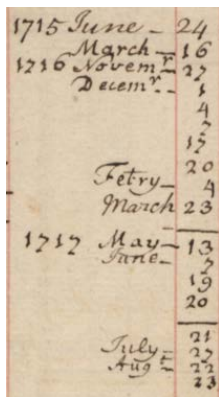


### COMPANY 2

Jul 2016

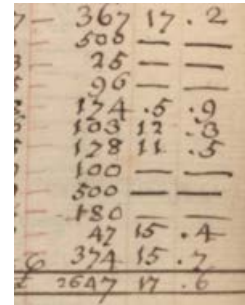


## PROJECT CHALLENGES



Sorting transactions in date order as the new year started on 25 March before the enactment of the Calendar Act of 1750, which would require 1 January to 24 March to be arranged after 31 December in the same year ([https://en.wikipedia.org/wiki/Calendar\\_\(New\\_Style\)\\_Act\\_1750](https://en.wikipedia.org/wiki/Calendar_(New_Style)_Act_1750)).

Decimalisation of eighteenth century British currency system, i.e. Pounds, Shilling and Pence, as well as balancing accounts post-conversion (<https://en.wikipedia.org/wiki/Decimalisation>).



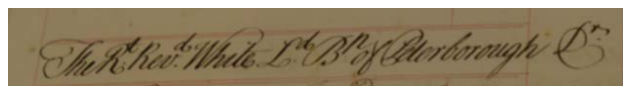
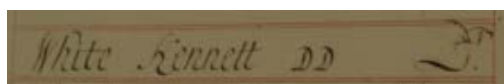
Deciphering eighteenth century handwritten text with archaic shorthand, compounded by ink stains, deteriorating paper and even adhesive tape obscuring text.

### Unstandardised records:

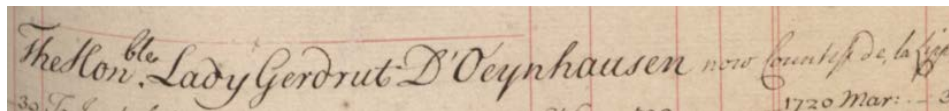
- Different accounts would exist for the same trader, who sold out at some point and started trading again with a different title, surname, suffix or rank
- Ever-changing academic and honorary titles, military ranks and family name suffixes required tracking in order to establish seniority and identify traders accurately
- Spelling variances in trader information
- Changing times and neighbourhoods, influenced by events such as the Great Fire of London 1666, impeded efforts to obtain rationalized data ([https://en.wikipedia.org/wiki/Great\\_Fire\\_of\\_London](https://en.wikipedia.org/wiki/Great_Fire_of_London))

### Examples of unstandardised records:

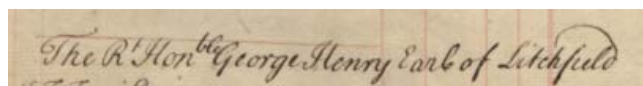
The accounts below had been identified as 2 different traders, one for White Kennett, DD and the other for the Right Reverend White, Lord Bishop of Petersborough. Through research I established they were one and the same person ([https://en.wikipedia.org/wiki/White\\_Kennett](https://en.wikipedia.org/wiki/White_Kennett)):



The account pictured below for Honourable Lady Gerdrut d'Oeynhausien now Countess de la Lippe belongs to Countess Margarete Gertrud of Oeynhausien now Schaumburg-Lippe in its standardized form ([https://en.wikipedia.org/wiki/Albert\\_Wolfgang,\\_Count\\_of\\_Schaumburg-Lippe](https://en.wikipedia.org/wiki/Albert_Wolfgang,_Count_of_Schaumburg-Lippe)).



Change of title and family names can cause uncertainty. Is the account of Right Honourable Henry, Earle of Litchfield the same as the account of the Right Honourable George Henry, Earl of Litchfield? After checking the dates of the transactions against the periods the title was held, the first belonged to Edward Henry Lee ([https://en.wikipedia.org/wiki/Edward\\_Lee,\\_1st\\_Earl\\_of\\_Lichfield](https://en.wikipedia.org/wiki/Edward_Lee,_1st_Earl_of_Lichfield)) and the second to George Henry Lee ([https://en.wikipedia.org/wiki/George\\_Lee,\\_2nd\\_Earl\\_of\\_Lichfield](https://en.wikipedia.org/wiki/George_Lee,_2nd_Earl_of_Lichfield)).





## EXAMPLE OF A LEDGER PAGE

		D <sup>r</sup>		Contra		E		As	
Thomas Martin								1000	
1710 March 25	to Charles Coch	142	1000	25	to William Rowen	163	1000	10	2
1710 April 1	to John Mead	32	1000	27	to Thomas Robinson	510	3000		
1710 May 12	to Richard Rogers Jun	1200	1000	12	to Thomas Robinson	48	1000		
1710 June 2	to John Mead	1200	1000	12	to Thomas Robinson	518	1000		
1710 July 1	to John Mead	1200	1000	12	to Thomas Robinson	470	1000		
1710 Aug 1	to John Mead	1200	1000	12	to Thomas Robinson	3	1000		
1710 Sept 1	to John Mead	1200	1000	12	to Thomas Robinson	332	1000		
1710 Oct 1	to John Mead	1200	1000	12	to Thomas Robinson	309	2500		
1710 Nov 1	to John Mead	1200	1000	12	to Thomas Robinson	103	500		
1710 Dec 1	to John Mead	1200	1000	12	to Thomas Robinson	312	500		
1711 Jan 1	to John Mead	1200	1000	12	to Thomas Robinson	261	500		
1711 Feb 1	to John Mead	1200	1000	12	to Thomas Robinson	312	2000		
1711 Mar 1	to John Mead	1200	1000	12	to Thomas Robinson	542	2000		
1711 Apr 1	to John Mead	1200	1000	12	to Thomas Robinson	672	1000		
1711 May 1	to John Mead	1200	1000	12	to Thomas Robinson	263	1000		
1711 June 1	to John Mead	1200	1000	12	to Thomas Robinson	675	1000		
1711 July 1	to John Mead	1200	1000	12	to Thomas Robinson	645	1000		
1711 Aug 1	to John Mead	1200	1000	12	to Thomas Robinson	383	1000		
1711 Sept 1	to John Mead	1200	1000	12	to Thomas Robinson	103	2000		
1711 Oct 1	to John Mead	1200	1000	12	to Thomas Robinson	88	1000		
1711 Nov 1	to John Mead	1200	1000	12	to Thomas Robinson	382	2000		
1711 Dec 1	to John Mead	1200	1000	12	to Thomas Robinson	510	500		
1712 Jan 1	to John Mead	1200	1000	12	to Thomas Robinson	66	1000		
1712 Feb 1	to John Mead	1200	1000	12	to Thomas Robinson	143	6000		
1712 Mar 1	to John Mead	1200	1000	12	to Thomas Robinson	472	2500		
1712 Apr 1	to John Mead	1200	1000	12	to Thomas Robinson	152	500		
1712 May 1	to John Mead	1200	1000	12	to Thomas Robinson	103	500		
1712 June 1	to John Mead	1200	1000	12	to Thomas Robinson	143	500		
1712 July 1	to John Mead	1200	1000	12	to Thomas Robinson	40	2000		
1712 Aug 1	to John Mead	1200	1000	12	to Thomas Robinson	518	1000		
1712 Sept 1	to John Mead	1200	1000	12	to Thomas Robinson	172	1000		
1712 Oct 1	to John Mead	1200	1000	12	to Thomas Robinson	675	1000		
1712 Nov 1	to John Mead	1200	1000	12	to Thomas Robinson	154	1000		
1712 Dec 1	to John Mead	1200	1000	12	to Thomas Robinson	217	1000		
1713 Jan 1	to John Mead	1200	1000	12	to Thomas Robinson	413	1000		
1713 Feb 1	to John Mead	1200	1000	12	to Thomas Robinson	143	5000		
1713 Mar 1	to John Mead	1200	1000	12	to Thomas Robinson	315	1000		
1713 Apr 1	to John Mead	1200	1000	12	to Thomas Robinson	440	4000		
1713 May 1	to John Mead	1200	1000	12	to Thomas Robinson	200	1000		
1713 June 1	to John Mead	1200	1000	12	to Thomas Robinson	621	1000		
1713 July 1	to John Mead	1200	1000	12	to Thomas Robinson	124	500		
1713 Aug 1	to John Mead	1200	1000	12	to Thomas Robinson	221	1000		
1713 Sept 1	to John Mead	1200	1000	12	to Thomas Robinson	530	1000		
1713 Oct 1	to John Mead	1200	1000	12	to Thomas Robinson	333	500		
1713 Nov 1	to John Mead	1200	1000	12	to Thomas Robinson	34	1000		



## FINAL TRANSACTION RECORD

Trader	TransactionNr	Let	Pg	Accl	Transh	Year	Month	Day	Sell	Buy	BalSell	BalBuy	CntPg	CntID	CnrTransNr
AA008	E01603007	E	016	03	007	1715	2	25		200.00			256	JF032	E25605004
AA008	E01603008	E	016	03	008	1715	2	27	500.00				431	PL005	E43105003
AA008	E01603009	E	016	03	009	1716	4	11		115.00			336	EH010	E33604002
AA008	E01603010	E	016	03	010	1716	4	11		410.00			578	VEN078	E57805002
AA008	E01603011	E	016	03	011	1716	4	11		480.00			578	PR001	E57802002
AA008	E01603012	E	016	03	012	1716	4	12	1,000.00				723	HW006	E72302002
AA008	E01603013	E	016	03	013	1716	4	16		102.83			033	MB007	E03308002
AA008	E01603014	E	016	03	014	1716	4	26		6.73			573	TR001	E57301002
AA008	E01603015	E	016	03	015	1716	4	28		92.00			427	RL005	E42703002
AA008	E01603016	E	016	03	016	1716	5	3	200.00				694	DV002	E69402002
AA008	E01603017	E	016	03	017	1716	5	30		10.00			083	TB030	E08303002
AA008	E01603018	E	016	03	018	1716	6	8	16.56				330	PH006	E33002001
AA008	E01603019	E	016	03	019	1716	9	22		400.00			439	JL033	E43903007
AA008	E01603020	E	016	03	020	1716	10	2		1,000.00			133	RC014	E13307003
AA008	E01603021	E	016	03	021	1716	10	2			1,400.00		017	AA008	E01701001
RA008	E01604001	E	016	04	001	1715	3	15		500.00			109	VEN015	E10903002
RA008	E01604002	E	016	04	002	1716	6	15	500.00				342	JH043	E34201001
RA008	E01604003	E	016	04	003	1716	11	13		1,000.00			059	JB024	E05901007
RA008	E01604004	E	016	04	004	1716	11	16		1,500.00			304	MH001	E30403051
RA008	E01604005	E	016	04	005	1716	11	20		1,000.00			677	ET009	E67701012
RA008	E01604006	E	016	04	006	1716	1	21	1,000.00				250	MF005	E25001012
RA008	E01604007	E	016	04	007	1716	1	23	200.00				284	JG020	E28404005
RA008	E01604008	E	016	04	008	1716	1	23	300.00				080	RB017	E08001001
RA008	E01604009	E	016	04	009	1716	1	23	500.00				505	GM013	E50507019
RA008	E01604010	E	016	04	010	1716	2	5		1,000.00			170	AD002	E17002031
RA008	E01604011	E	016	04	011	1716	2	19	1,000.00				579	RR007	E57905001
RA008	E01604012	E	016	04	012	1716	2	27		1,000.00			582	JR013	E58203057
RA008	E01604013	E	016	04	013	1716	3	4	1,000.00				478	MD008	E47801018
RA008	E01604014	E	016	04	014	1716	3	7	500.00				701	JW007	E70105005
RA008	E01604015	E	016	04	015	1716	3	15		500.00			279	EG009	E27901027
RA008	E01604016	E	016	04	016	1717	5	10	1,000.00				281	VEN035	E28105005
RA008	E01604017	E	016	04	017	1717	5	15		1,000.00			640	RS006	E64001015
RA008	E01604018	E	016	04	018	1717	8	15	1,000.00				640	RS006	E64001166
RA008	E01604019	E	016	04	019	1717	8	17		1,000.00			124	TC012	E12402015
RA008	E01604020	E	016	04	020	1717	9	13		1,000.00			748	JY001	E74806002
RA008	E01604021	E	016	04	021	1717	9	14		500.00			639	RS006	E63901021
RA008	E01604022	E	016	04	022	1717	9	27		1,000.00			442	JL045	E44207002
RA008	E01604023	E	016	04	023	1717	11	9	1,000.00				651	WT002	E65102009
RA008	E01604024	E	016	04	024	1717	11	12	1,000.00				253	RF005	E25301006
RA008	E01604025	E	016	04	025	1717	11	26		1,000.00			639	RS006	E63901129
RA008	E01604026	E	016	04	026	1717	11	28		1,000.00			479	MD008	E47901023
RA008	E01604027	E	016	04	027	1717	12	18	1,000.00				029	RB004	E02906001
RA008	E01604028	E	016	04	028	1717	2	15			3,000.00		018	RA008	E01804001