MATRR

Monkey Alcohol Tissue Research Resource

Data Upload

Notify MATRR

Submit Research Updates Please provide any information available regarding your successful investigation. Only one field is required. **PMID** PubMed ID number of publication Research Update VeryDetailedReport.docx Choose File File to Upload Very important research Comments Please briefly describe the progress made thus far. **Submitted Grants** Very fancy grants Please describe any grant submissions resulting from the MATRR tissues. Include title, funding agency, expected review date, etc. Data is available for upload to MATRR. Please contact me to arrange this Data Available integration into the MATRR. Complete

Checkbox for "In Progress" and "Complete" updates

Notify MATRR

Alternative methods of communication are also encouraged



Upload Data

The MATRR admin will add 'Data' to your menu which gives you permission to upload files directly to the MATRR web server





Upload Data What to submit to MATRR

Format

- Microsoft Excel, OpenOffice
- Tab or Comma delimited files are my favorite

All valid data

- (In)significant data is still data
- o Include control's data
- Only finalized data

Instructions describing your data

- o Chances are we have no idea what your acronyms mean
- We definitely don't know what the units are for the acronyms
- o If it's a calculated data type, please tell us how it's calculated
 - Concentration = .04
 - ethanol in mL, mass in kg
 - g/kg = Concentration*ethanol / mass

Upload Data Please DO NOT Send

- Machine-unreadable data formats
 - o ++Super Important++
 - o Colors, Sentences, Special Flags*+, nested spreadsheets
- Images are hard to work with
 - o I can't extract data from graphs, images, or PDFs
- Raw Data
 - o On a case-by-case basis
 - o Can be overwhelming and provide little articulation with existing data
- Viruses, malware, worms, key-loggers, backdoors....
 - Nobody wants to deal with a sick computer

Dates

- Excel is a jerk.
- Localized date formats are inconsistent and easily misunderstood
 - o 12/06/02 is not a date, it's 1:
 - Dec 6th 2002 in one country (US, usually)
 - Jun 12th 2012 others (France, Brazil, few others)
- Published in 1988, ISO 8601 exists for a reason
 - o YYYY-MM-DD, with zero-padded months and days
 - Bonus: ISO dates alphabetically sort chronologically
- Excel is still a jerk
 - Prepend dates with a single quote ('YYYY-MM-DD) to override Excel's auto-magical date formatting.

Columns and Rows

- Columns are variable types
- Rows are observations

	A1CF	A2M	A4GALT	A4GNT	AAAS	AACS	AADAC	AADACL2	AADACL3
26077	0.01469	0.59021	4.67471	0	9.51025	14.29235	0	0	0.04726
26078	0.00423	0.66487	5.74714	0	9.69338	16.97913	0	0	0.02042
26082	0	0.85862	5.00389	0	7.40104	11.20429	0	0	0

This file has 16 rows and 16,045 columns. And that's fine.

Computers read spreadsheets left-to-right until the end of a row



o Then a computer performs the _exact_ same actions on the next row



Until the end of the file.

Consistent Formatting

Columns are always in the same order

	A	В	С	D	E	F	G	Н		J	K	L	M	N
1	Animal	BLANK MATE	Collect Date	Run Date	Exp. Period	Exp Day	Sess Start	Time	weight	EtOH consun	Dose consum	22 Hour Dose	Diff sample t	BEC (mg%)
2	1050		5/1/09		22 hour			5:50:14	6.8142857	477	2.8	3.6		28
3	1051		5/1/09		22 hour			5:55:36	5.4181818	149	1.1	1.1		26
4	1055		5/1/09		22 hour			5:58:27	6.35	127	0.8	0.8		23
5	1058		5/1/09		22 hour			5:53:03	9.8	98	0.4	0.6		18
6	1059		5/1/09		22 hour			6:01:30	7.32	183	1	1.3		14
7	1050		5/6/09		22 hour			5:58:46	6.9	276	1.6	2.8		13



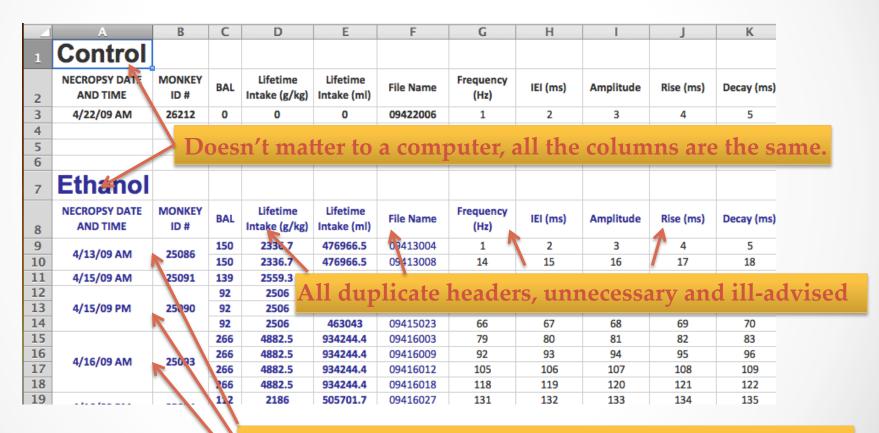
	Α	В С		D	E	F	G	
1	Cohort	MATRR ID	Lifetime Etoh Intake (g/kg)	Lifetime Etoh Intake (mL)	Average BEC, Induction (mg pct)	Average BEC, Open Access (mg pct)	Average BEC, Lifetime (mg pct)	
2	INIA Rhesus 4	10048	602.1496649	166930	57.74222222	27.10630435	35.72265625	
3	INIA Rhesus 4	10049	1169.874458	295370.9	56.30722222	35.93688889	41.75698413	
4	INIA Rhesus 4	10050						
5	INIA Rhesus 4	10051	1177.850023	296559.5	53.75888889	52.055	52.53421875	
6	INIA Rhesus 4	10052	291.5542312	55867.3	24.79722222	2.368478261	8.6765625	

- New/added variable types are appended to the right,
 - No matter what the new data is
 - This saves a lot of time/effort

Colors and Fonts and etc.

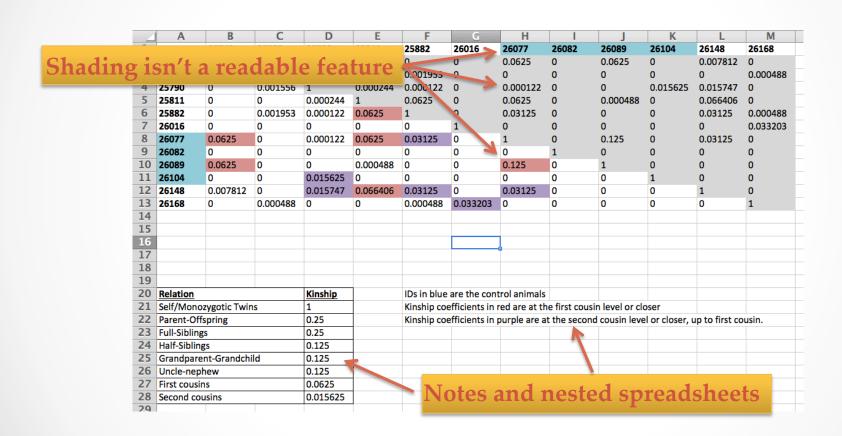
- Colors and fonts are COMPLETELY ignored
 - Loadable data formats (CSV and tab-delimited text) don't even support these features
 - SOLUTION: Add more columns
- Special flags aren't helpful
 - o "101.15*" isn't a number and will cause errors when loading data
 - SOLUTION: Add more columns
 - Don't merge or "ditto"-mark cells
- Consistency, consistency, consistency
 - o "22hr" and "22 hour" aren't the same thing to a computer
 - Either is fine, but please choose one
- DRY principle (Don't repeat yourself)
 - "Every piece of knowledge must have a single, unambiguous, authoritative representation within a system"
 - I only need columns/features unique to the observation

- There should only be 1 header row per file
 - o Differently-formatted data should be saved to a different file
- All rows should have the same number of cells



Don't merge cells! Leave them blank, or duplicate data

- Loadable file formats don't support most features
- Any notes/definitions should be in a separate file.



Summary

Do:

- Add as many columns as you could possibly want
- Format data consistently
- Name/label data consistently
- Describe your data, in detail
 - Separately, NOT in the data
- Use a standardized date format
- Send us ALL your final data

Don't:

- Insert new columns between existing columns
- o Rearrange columns
- Color/flag/mark data cells
- Merge cells together
- Merge spreadsheets together
- Send us images or graphs
- Send us unfinished data